Water Property Observations from Queen Charlotte Sound, May and September, 1982

by
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1987

Canadian Data Report of Hydrography and Ocean Sciences No. 50

Canada

87-05534/

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

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Cat. No. Fs 97-16/50 ISSN 0711-6721

Correct citation for this publication:

Crawford, W.R., W.S. Huggett and K.S. Lee. 1987. Water property observations from Queen Charlotte Sound, May and September, 1982. Can. Data Rep. Hydrogr. Ocean Sci. 50:224 p.

CONTENTS

Abstract/Resume ---------- iv

Acknowledgements ---------- v

Introduction ---------- 1

CTD Observations ---------- 1

Data Format ---------- 2

Chart of station positions ---------- 4

Cruise TC82-01 May, 1982 ---------- 5
data listings ---------- 6
contour graphs ---------- 57

Cruise TC82-02 September, 1982 ---------- 67
data listings ---------- 68
contour graphs ----------204

ABSTRACT

Crawford, W.R., W.S. Huggett and K.S. Lee. 1987. Water property observations from Queen Charlotte Sound, May and September, 1982. Can. Data Rep. Hydrogr. Ocean Sci. 50:224 p.

This report presents listings and contour graphs of water property data collected in Queen Charlotte Sound in 1982. Listings include temperature, salinity, density, sound speed and dynamic height anomaly based on CTD profiles. Contour graphs illustrate temperature, salinity and density (sigma-T).

Key words: water properties, oceanography, Queen Charlotte Sound

RESUME

Crawford, W.R., W.S. Huggett and K.S. Lee. 1987. Water property observations from Queen Charlotte Sound, May and September, 1982. Can. Data Rep. Hydrogr. Ocean Sci. 50.

On presente une liste de donnees sur les biens riverains recueillies dans le bassin Reine-Charlotte en 1982 et les courbes tirees de ces donnees. Celles-ci comprennent la temperature, la salinite, la densite, les anomalies de la vitesse du son et de l'altitude dynamique basees sur les profils de CTP. Les courbes relevent les tendances de la temperature, de la salinite et de la densite (sigma-T).

Mots-cles: biens riverains, oceanographie, bassin Reine-Charlotte

ACKNOWLEDGEMENTS

We wish to thank the officers and crew of the CSS *PARIZEAU* and the CFAV *ENDEAVOUR* for their cooperation during the CTD and mooring operations of the experiment. We also acknowledge the scientific and technical staff who participated in these cruises: M.J. Woodward, F.V. Hermiston, G. MacPhail, B. Svensson and S. Kristensen. Computational and drafting assistance were provided by A. Douglas, L. Wu, J. Linguanti, B. Smith, and P. Kimber. We are grateful for the use of the CTD system, which was purchased and maintained by the Ocean Physics Section of the Institute of Ocean Sciences.

This program was funded by the Department of Fisheries and Oceans.

INTRODUCTION

These water property observations were undertaken on mooring deployment and recovery cruises in Queen Charlotte Sound by the Tides and Currents Section of the Hydrographic Service at the Institute of Ocean Sciences. Current meters were deployed in the Sound for the summer of 1982 to examine the tidal currents and wind-driven transport. This program was the first of a three-stage operation in the period 1982 - 1985 in Queen Charlotte Sound, Hecate Strait Dixon Entrance and the west coast of the Queen Charlotte Islands, undertaken to examine the circulation of waters in these areas, and the nature of the tides and tidal currents.

The purpose of this report is to make available the CTD data gathered during the 1982 cruises. Current meter data will be presented in subsequent reports. Data and contour graphs from the May cruise are presented first, followed by the September cruise.

CTD OBSERVATIONS

In May the profiles of water properties were obtained using a 8700-series Guildline conductivity-temperature-depth (CTD, but often denoted STP) recorder lowered from the stern of the research vessel via a 5/16" (8 mm) diameter, 7-conductor armorgraph cable. Output from the probe consisted of analogue voltages of temperature, conductivity and pressure calibrated for the full-scale ranges of 0 to 25°C, 0 to 40 $^{o}/_{oo}$ and 0 to 1500 dbar, respectively. The probe output was connected to a Guildline deck unit where part of the signal was converted to temperature, salinity and pressure values for plotting on calibrated graph paper. These traces provided real-time displays of the temperature and salinity profiles and served as back-up to the tape storage system. The remaining branch of the output signal was input into a 2100-series computer, digitized at a rate of 10 samples per second and stored on a 9-track magnetic tape through an HP7970B digital unit. For variable rates of probe descent from 0.5 to 1.5 ms^{-1} this yielded vertical scale resolutions of order 10 cm. As well as being recorded on tape, digitized records were converted and listed every 5 m on a high speed printer. This allowed real-time monitoring of tape-recorded data and enabled the operator to safely lower the probe to within a few metres of the seafloor.

In September the digital signals were recorded by a Macsym 2 computer manufactured by Analog Devices, and stored on an 8" floppy disk.

Following each cruise, the raw voltages were converted to temperature, salinity and pressure and the data edited. Corrections to the temperature and salinity values of the CTD were computed from the combined CTD and hydro-cast stations. These corrections are less than or equal to 0.02°C and 0.03 $^{o}/_{oo}$ respectively.

DATA FORMAT

The cruise data are listed in chronological order. Each survey is identified by a title page giving the cruise number and dates. The contour graphs of each cruise follow the listings of the CTD data. The graphs were prepared on the cruise following each profile, and the contours were drawn by hand. This method provided a way to verify that the CTD was working properly, and presented a quick look at the water properties in the region.

Key to information in this report

Listing Page Information

REFERENCE NO. Year-Station Reference Number DATE(D/Mo/Yr)
POSITION LATITUDE LONGITUDE, PST (Hours) STATION ID
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES (in decibars) ARE INPUT

Parameters, Symbols, Units.

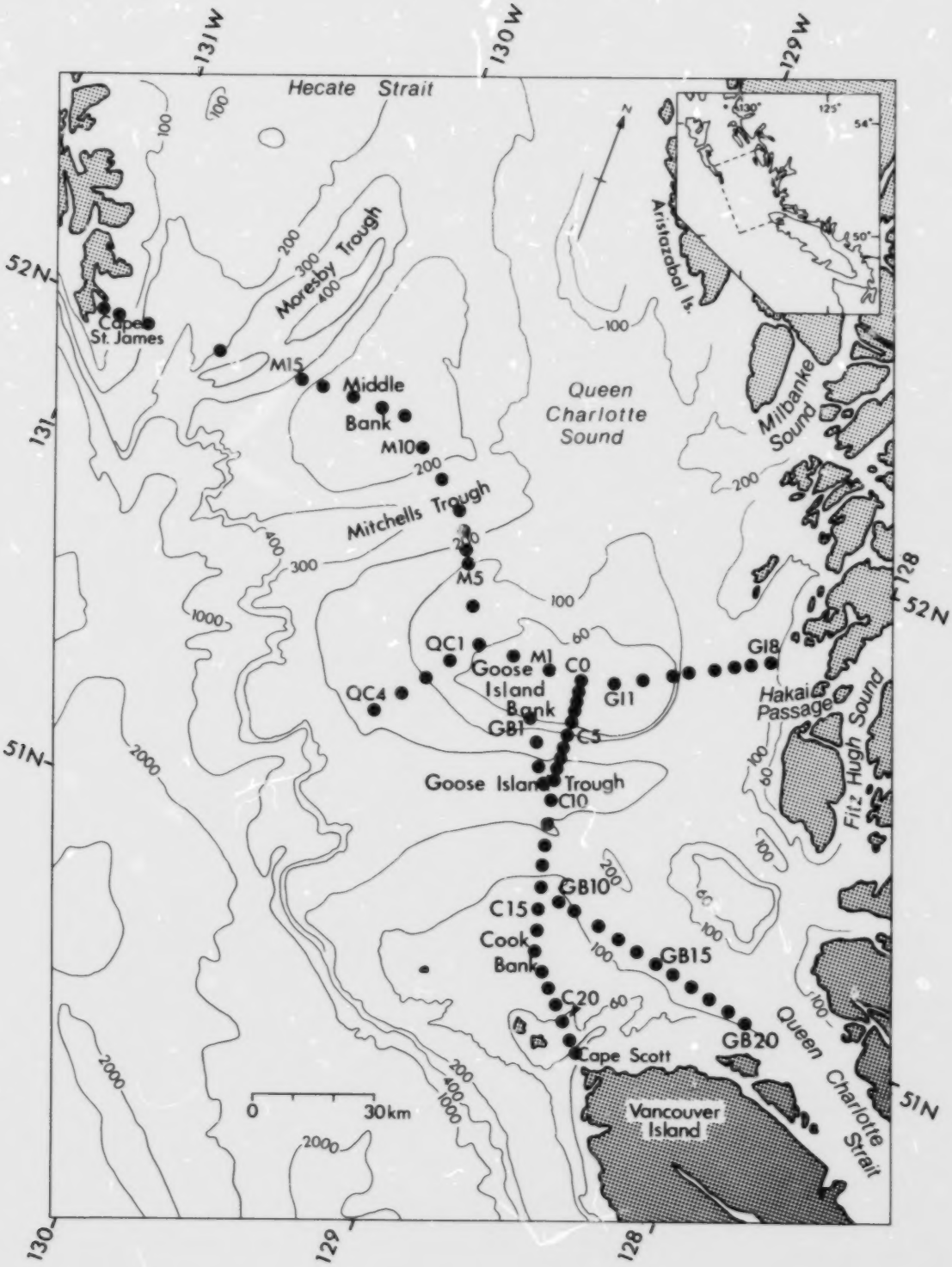
DEPTH ---------- depth in metres
TEMP ---------- temperature in degrees Celsius
SAL ---------- salinity
SIGMA T ---------- density of water (dimensionless)
SVA ---------- specific volume anomaly in 10^{-5} cm^3g^{-1}
DELTA D ---------- Geopotential anomaly in Joules/Kg.
POT. EN ---------- Potential energy in 10^8 Ergs/cm^2
SOUND ---------- Speed of sound in metres/sec
PST ---------- Pacific Standard Time (Z+8)

Positions are expressed as degrees, minutes and decimal minutes.

Times in the CTD listings and the contour graphs are expressed as hours and minutes, using a 24 hour clock.

In a few listings the water properties at the deepest of the standard depths may have been extrapolated from measurements at a shallower depth, if the standard depth is a few meters below the deepest measurement.

If the water depth is less than 50 m a listing of water properties every meter follows the normal listing.


131W
130W
129W
Hecate Strait
52N
Cape St. James
Moresby Trough
M15
Middle Bank
M10
Mitchells Trough
M5
Queen Charlotte Sound
Aristazabal Is.
Milbanke Sound
QC1
M1
C0
Goose Island Bank
QC4
GB1
C5
Goose Island Trough
C10
GI8
GI1
Hakai Passage
Fitz Hugh Sound
GB10
C15
Cook Bank
C20
GB15
GB20
Cape Scott
Queen Charlotte Strait
Vancouver Island
51N
128
129
130
131
0
30km
100
200
300
400
1000
2000
60

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-007 DATE 26/05/82
POSITION 51-28.5N, 129- 2.0W PST 19:30 STATION GB01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.09	31.48	0	24.38	355.7	.00	.00	1483.
10	9.09	31.48	10	24.38	355.9	.36	.02	1483.
20	9.09	31.48	20	24.38	356.0	.71	.07	1483.
30	9.09	31.49	30	24.38	355.7	1.07	.16	1483.
50	9.03	31.52	50	24.42	352.9	1.78	.45	1483.
75	8.68	31.66	75	24.58	338.0	2.64	1.00	1482.

DEEPEST MEASUREMENT:

72	8.69	31.65	72	24.57	338.7	2.54	.92	1482.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-008 DATE 26/05/82
POSITION 51-25.5N, 129- .0W PST 20:00 STATION GB02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.17	31.48	0	24.37	357.1	.00	.00	1483.
10	9.18	31.48	10	24.37	357.2	.36	.02	1483.
20	9.18	31.48	20	24.37	357.4	.71	.07	1483.
30	9.18	31.48	30	24.36	357.7	1.07	.16	1483.
50	9.18	31.48	50	24.37	357.9	1.79	.46	1484.
75	8.35	31.74	75	24.69	327.1	2.64	1.00	1481.
100	7.93	32.20	99	25.11	287.6	3.41	1.68	1481.
125	7.38	33.07	124	25.87	215.7	4.06	2.42	1480.
150	6.81	33.49	149	26.28	177.1	4.57	3.13	1479.
175	5.63	33.96	174	26.80	127.5	4.92	3.71	1475.

DEEPEST MEASUREMENT:

191	5.54	33.97	190	26.82	126.2	5.12	4.09	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-009 DATE 26/05/82
POSITION 51-22.4N, 128-57.4W PST 20:36 STATION GB03
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.12	31.43	0	24.34	359.9	.00	.00	1483.
10	9.12	31.44	10	24.34	359.7	.36	.02	1483.
20	9.12	31.43	20	24.33	360.7	.72	.07	1483.
30	9.08	31.46	30	24.36	358.0	1.08	.16	1483.
50	8.64	31.54	50	24.49	346.1	1.79	.45	1482.
75	8.18	31.74	75	24.72	324.8	2.62	.98	1481.
100	7.75	32.46	99	25.34	265.5	3.36	1.64	1480.
125	7.41	33.29	124	26.04	200.0	3.92	2.28	1480.
150	6.69	33.79	149	26.53	153.4	4.36	2.89	1479.
175	6.24	33.88	174	26.66	141.1	4.73	3.50	1477.
200	5.73	33.95	199	26.78	130.2	5.07	4.15	1476.
225	5.51	33.98	223	26.83	125.8	5.38	4.83	1475.

DEEPEST MEASUREMENT:

229	5.51	33.98	227	26.83	125.8	5.43	4.95	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-010 DATE 26/05/82
POSITION 51-20.0N, 128-54.5W PST 21:06 STATION GB04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.17	31.41	0	24.31	362.0	.00	.00	1483.
10	9.16	31.41	10	24.31	362.1	.36	.02	1483.
20	9.16	31.42	20	24.32	361.9	.72	.07	1483.
30	9.16	31.41	30	24.31	362.5	1.09	.17	1483.
50	8.83	31.49	50	24.43	351.8	1.81	.46	1482.
75	8.09	31.90	75	24.86	311.4	2.63	.98	1480.
100	7.48	33.06	99	25.85	217.0	3.31	1.58	1480.
125	7.19	33.56	124	26.28	176.5	3.78	2.12	1480.
150	7.03	33.78	149	26.47	158.8	4.19	2.69	1480.
175	6.48	33.89	174	26.64	143.3	4.56	3.31	1478.
200	5.92	33.93	199	26.74	134.1	4.91	3.97	1477.
225	5.53	33.98	223	26.82	126.0	5.23	4.67	1475.

DEEPEST MEASUREMENT:

238	5.52	33.98	236	26.83	126.0	5.39	5.05	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-011 DATE 26/05/82
POSITION 51-18.5N, 128-53.3W PST 21:24 STATION GB05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.13	31.41	0	24.32	361.5	.00	.00	1483.
10	9.13	31.41	10	24.32	361.7	.36	.02	1483.
20	9.13	31.42	20	24.33	361.2	.72	.07	1483.
30	9.14	31.44	30	24.34	360.4	1.08	.17	1483.
50	8.80	31.50	50	24.44	351.0	1.80	.46	1482.
75	8.00	31.92	75	24.89	308.7	2.62	.98	1480.
100	7.46	33.16	99	25.93	209.7	3.31	1.58	1480.
125	7.08	33.61	124	26.34	171.2	3.77	2.12	1480.
150	6.74	33.85	149	26.57	149.4	4.17	2.67	1479.
175	6.30	33.91	174	26.68	139.7	4.53	3.27	1478.
200	5.82	33.94	199	26.76	132.1	4.87	3.92	1476.
225	5.54	33.96	223	26.81	127.0	5.19	4.61	1476.
DEEPEST MEASUREMENT:								
227	5.54	33.96	225	26.81	127.5	5.21	4.67	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-012 DATE 26/05/82
POSITION 51-16.7N, 128-51.8W PST 22:00 STATION GB06
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.14	31.50	0	24.38	355.4	.00	.00	1483.
10	9.14	31.50	10	24.38	355.6	.36	.02	1483.
20	9.14	31.49	20	24.38	355.9	.71	.07	1483.
30	9.14	31.50	30	24.38	356.0	1.07	.16	1483.
50	9.11	31.51	50	24.40	354.9	1.78	.45	1483.
75	8.13	31.69	75	24.68	328.2	2.65	1.00	1480.
100	7.67	32.48	99	25.37	262.9	3.40	1.67	1480.
125	7.04	33.45	124	26.22	182.6	3.97	2.32	1479.
150	6.48	33.78	149	26.55	151.5	4.38	2.89	1478.
175	6.02	33.89	174	26.70	137.5	4.74	3.49	1477.
200	5.84	33.93	199	26.75	133.2	5.07	4.13	1476.
DEEPEST MEASUREMENT:								
205	5.83	33.92	204	26.75	133.2	5.14	4.27	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-013 DATE 26/05/82
POSITION 51-13.0N, 128-50.4W PST 22:24 STATION GB07
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.14	31.49	0	24.38	356.2	.00	.00	1483.
10	9.13	31.48	10	24.37	356.6	.36	.02	1483.
20	9.14	31.48	20	24.37	356.9	.71	.07	1483.
30	9.14	31.47	30	24.36	357.6	1.07	.16	1483.
50	9.03	31.50	50	24.40	354.6	1.78	.45	1483.
75	8.11	31.90	75	24.85	312.1	2.61	.98	1481.
100	7.89	32.13	99	25.07	291.9	3.36	1.65	1480.
125	7.38	32.93	124	25.76	226.5	4.04	2.42	1480.

DEEPEST MEASUREMENT:

144	6.86	33.52	143	26.29	175.7	4.42	2.94	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-014 DATE 26/05/82
POSITION 51-10.2N, 128-49.0W PST 23:12 STATION GB08
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.28	31.31	0	24.21	371.6	.00	.00	1483.
10	9.27	31.31	10	24.22	371.3	.37	.02	1483.
20	9.27	31.31	20	24.21	372.0	.74	.08	1483.
30	9.24	31.33	30	24.24	369.7	1.12	.17	1483.
50	8.20	31.79	50	24.75	321.4	1.80	.45	1480.
75	7.83	32.22	75	25.14	284.2	2.56	.93	1480.

DEEPEST MEASUREMENT:

95	7.34	32.92	94	25.76	225.9	3.07	1.36	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-015 DATE 26/05/82
POSITION 51- 7.4N, 128-46.1W PST 23:36 STATION GB09
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.27	31.32	0	24.23	370.3	.00	.00	1483.
10	9.26	31.33	10	24.23	370.2	.37	.02	1483.
20	9.26	31.32	20	24.23	370.4	.74	.08	1483.
30	8.95	31.43	30	24.36	358.2	1.11	.17	1482.
50	8.80	31.46	50	24.41	353.7	1.82	.46	1482.
DEEPEST MEASUREMENT:								
69	7.97	31.75	69	24.76	320.8	2.46	.84	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-016 DATE 26/05/82
POSITION 51- 7.0N, 128-42.5W PST 23:54 STATION GB10
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.27	31.34	0	24.24	369.0	.00	.00	1483.
10	9.26	31.35	10	24.25	368.6	.37	.02	1483.
20	9.26	31.34	20	24.25	368.9	.74	.08	1483.
30	9.24	31.35	30	24.25	368.3	1.11	.17	1483.
50	9.08	31.39	50	24.31	363.1	1.84	.47	1483.
DEEPEST MEASUREMENT:								
69	7.28	32.96	69	25.80	221.4	2.39	.79	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-017 DATE 26/05/82
POSITION 51- 6.3N, 128-38.0W PST 00:24 STATION GB11
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.28	31.34	0	24.24	369.0	.00	.00	1483.
10	9.28	31.34	10	24.24	369.0	.37	.02	1483.
20	9.28	31.35	20	24.24	369.0	.74	.08	1483.
30	9.18	31.39	30	24.29	364.6	1.11	.17	1483.
50	8.32	31.64	50	24.62	333.8	1.81	.45	1481.
75	7.68	31.92	75	24.92	304.9	2.60	.96	1479.
100	7.72	32.38	99	25.29	271.0	3.34	1.61	1480.

DEEPEST MEASUREMENT:

106	7.16	33.10	105	25.93	210.0	3.48	1.76	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-018 DATE 26/05/82
POSITION 51- 5.6N, 128-33.3W PST 01:00 STATION GB12
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.24	31.41	0	24.30	363.3	.00	.00	1483.
10	9.22	31.42	10	24.31	362.7	.36	.02	1483.
20	9.23	31.42	20	24.31	363.0	.73	.07	1483.
30	9.16	31.41	30	24.32	362.4	1.09	.17	1483.
50	7.60	31.68	50	24.75	321.0	1.78	.45	1478.
75	7.67	32.26	75	25.19	279.3	2.53	.92	1479.
100	7.61	32.62	99	25.49	251.6	3.19	1.51	1480.
125	6.68	33.55	124	26.35	170.4	3.71	2.10	1478.

DEEPEST MEASUREMENT:

129	6.66	33.58	128	26.37	168.5	3.78	2.19	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-019 DATE 26/05/82
POSITION 51- 4.8N, 128-28.5W PST 01:36 STATION GB13
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.18	31.37	0	24.28	365.6	.00	.00	1483.
10	9.16	31.38	10	24.29	364.5	.36	.02	1483.
20	9.16	31.38	20	24.29	364.5	.73	.07	1483.
30	9.17	31.38	30	24.29	364.9	1.09	.17	1483.
50	8.37	31.66	50	24.62	333.2	1.82	.46	1481.
75	7.46	32.80	75	25.65	235.9	2.54	.91	1479.
100	6.90	33.34	99	26.15	188.9	3.08	1.40	1478.
125	6.48	33.70	124	26.49	156.8	3.53	1.91	1477.

DEEPEST MEASUREMENT:

144	6.42	33.74	143	26.52	153.7	3.82	2.31	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-020 DATE 26/05/82
POSITION 51- 4.1N, 128-24.0W PST 02:00 STATION GB14
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.11	31.28	0	24.22	371.0	.00	.00	1482.
10	9.10	31.29	10	24.23	370.6	.37	.02	1482.
20	9.10	31.29	20	24.23	370.7	.74	.08	1483.
30	8.39	31.46	30	24.46	348.2	1.11	.17	1480.
50	8.04	31.80	50	24.79	317.7	1.77	.44	1480.
75	6.95	33.29	75	26.11	192.6	2.41	.84	1478.
100	6.69	33.51	99	26.31	173.7	2.86	1.24	1477.
125	6.44	33.73	124	26.51	154.6	3.27	1.71	1477.
150	6.41	33.79	149	26.56	150.1	3.65	2.25	1478.

DEEPEST MEASUREMENT:

148	6.41	33.77	147	26.55	151.3	3.62	2.20	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-021 DATE 26/05/82
POSITION 51- 3.5N, 128-19.2W PST 02:30 STATION GB15
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.24	30.62	0	23.69	421.9	.00	.00	1482.
10	9.23	30.64	10	23.70	420.3	.42	.02	1482.
20	8.95	31.24	20	24.21	372.2	.81	.08	1482.
30	7.94	31.40	30	24.48	346.3	1.17	.17	1479.
50	8.10	31.78	50	24.76	320.3	1.84	.44	1480.
75	7.08	33.23	75	26.03	199.4	2.51	.86	1478.
100	6.47	33.68	99	26.47	157.9	2.93	1.24	1477.
125	6.27	33.81	124	26.60	146.0	3.31	1.68	1477.
150	6.24	33.84	149	26.63	143.7	3.67	2.18	1477.
DEEPEST MEASUREMENT:								
160	6.25	33.83	159	26.62	145.1	3.82	2.41	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-022 DATE 26/05/82
POSITION 51- 3.0N, 128-14.8W PST 03:06 STATION GB16
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.04	30.52	0	23.63	426.9	.00	.00	1481.
10	9.04	30.53	10	23.64	426.3	.43	.02	1481.
20	8.69	31.22	20	24.24	369.5	.81	.08	1481.
30	8.31	31.41	30	24.44	350.6	1.17	.17	1480.
50	7.79	31.86	50	24.87	309.8	1.84	.44	1479.
75	7.19	33.26	75	26.05	197.8	2.49	.85	1479.
100	6.42	33.76	99	26.54	151.4	2.93	1.24	1477.
125	6.22	33.85	124	26.64	142.7	3.29	1.65	1476.
150	6.23	33.86	149	26.64	142.6	3.65	2.15	1477.
DEEPEST MEASUREMENT:								
154	6.23	33.85	153	26.64	142.9	3.71	2.24	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-023 DATE 26/05/82
POSITION 51- 2.3N, 128-10.2W PST 03:42 STATION GB17
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.95	30.89	0	23.94	397.5	.00	.00	1481.
10	8.95	30.88	10	23.94	398.2	.40	.02	1481.
20	8.89	31.10	20	24.11	381.9	.79	.08	1482.
30	8.06	31.63	30	24.65	330.6	1.14	.17	1479.
50	7.90	31.95	50	24.92	305.1	1.79	.43	1479.
75	7.48	32.81	75	25.66	235.3	2.45	.85	1479.
100	6.72	33.63	99	26.40	165.0	2.92	1.26	1478.
125	6.13	33.89	124	26.68	138.3	3.29	1.69	1476.
150	6.13	33.87	149	26.67	140.3	3.64	2.18	1477.

DEEPEST MEASUREMENT:

148	6.14	33.88	147	26.67	139.5	3.61	2.14	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-024 DATE 26/05/82
POSITION 51- 1.5N, 128- 5.8W PST 04:18 STATION GB18
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.94	31.15	0	24.14	378.4	.00	.00	1482.
10	8.95	31.14	10	24.13	379.3	.38	.02	1482.
20	8.90	31.17	20	24.17	376.4	.76	.08	1482.
30	8.14	31.56	30	24.58	336.8	1.11	.17	1479.
50	7.84	31.90	50	24.89	307.5	1.75	.43	1479.
75	7.45	32.89	75	25.72	229.3	2.44	.86	1479.
100	6.52	33.74	99	26.51	154.3	2.92	1.28	1477.
125	6.25	33.86	124	26.65	142.0	3.28	1.70	1477.
150	6.21	33.88	149	26.66	140.6	3.64	2.20	1477.

DEEPEST MEASUREMENT:

157	6.22	33.87	156	26.66	141.3	3.74	2.35	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-025 DATE 26/05/82
POSITION 51- 1.0N, 128- 1.4W PST 04:48 STATION GB19
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.87	31.17	0	24.17	375.5	.00	.00	1481.
10	8.84	31.18	10	24.18	374.6	.38	.02	1481.
20	8.57	31.41	20	24.40	353.8	.74	.08	1481.
30	8.18	31.64	30	24.64	331.6	1.09	.16	1480.
50	7.72	32.06	50	25.03	294.1	1.70	.41	1479.
75	7.50	32.75	75	25.60	240.4	2.38	.84	1479.
100	6.80	33.59	99	26.36	169.1	2.88	1.28	1478.
125	6.42	33.83	124	26.60	146.6	3.26	1.72	1477.

DEEPEST MEASUREMENT:

145	6.39	33.84	144	26.61	145.5	3.56	2.13	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-026 DATE 26/05/82
POSITION 51- .4N, 127-57.0W PST 05:24 STATION GB20
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.41	31.66	0	24.62	332.9	.00	.00	1480.
10	8.40	31.65	10	24.61	333.9	.33	.02	1480.
20	8.38	31.71	20	24.66	329.2	.66	.07	1480.
30	8.33	31.74	30	24.69	326.5	.99	.15	1480.
50	7.84	32.20	50	25.12	285.6	1.62	.41	1479.
75	7.36	33.02	75	25.84	218.1	2.23	.79	1479.
100	6.68	33.67	99	26.44	161.1	2.70	1.21	1478.
125	6.46	33.82	124	26.58	147.8	3.09	1.65	1477.

DEEPEST MEASUREMENT:

122	6.53	33.79	121	26.55	151.3	3.04	1.59	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-027 DATE 29/05/82
POSITION 51-21.0N, 128-54.7W PST 23:00 STATION C009
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.44	31.44	0	24.29	364.1	.00	.00	1484.
10	9.44	31.44	10	24.29	364.1	.36	.02	1484.
20	9.42	31.45	20	24.30	363.3	.73	.07	1484.
30	9.23	31.47	30	24.35	359.0	1.09	.17	1484.
50	9.06	31.48	50	24.38	356.2	1.81	.46	1483.
75	7.94	32.05	75	24.99	298.4	2.61	.97	1480.
100	7.63	32.71	99	25.55	245.5	3.27	1.56	1480.
125	7.37	33.44	124	26.17	187.7	3.81	2.16	1480.
150	6.59	33.69	149	26.47	159.3	4.24	2.77	1478.
175	5.95	33.90	174	26.71	136.4	4.60	3.37	1476.
200	5.66	33.96	199	26.79	128.7	4.93	4.00	1476.
225	5.50	33.98	223	26.83	125.0	5.25	4.68	1475.
DEEPEST MEASUREMENT:								
237	5.50	33.99	235	26.84	124.6	5.40	5.03	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-028 DATE 29/05/82
POSITION 51-23.0N, 128-54.7W PST 23:48 STATION C008
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.83	31.45	0	24.24	369.2	.00	.00	1485.
10	9.83	31.45	10	24.24	369.3	.37	.02	1485.
20	9.83	31.45	20	24.24	369.5	.74	.08	1486.
30	9.83	31.45	30	24.24	369.7	1.11	.17	1486.
50	8.58	31.56	50	24.51	343.7	1.82	.46	1481.
75	8.00	32.03	75	24.97	300.9	2.61	.96	1480.
100	7.39	32.96	99	25.79	223.2	3.28	1.55	1480.
125	6.88	33.51	124	26.28	176.5	3.77	2.11	1479.
150	6.33	33.82	149	26.60	146.3	4.17	2.67	1477.
175	5.89	33.92	174	26.73	134.2	4.52	3.25	1476.
200	5.68	33.96	199	26.79	128.9	4.85	3.88	1476.
225	5.49	33.97	223	26.82	126.2	5.16	4.56	1475.
DEEPEST MEASUREMENT:								
228	5.50	33.95	226	26.81	127.3	5.20	4.65	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-029 DATE 29/05/82
POSITION 51-24.5N, 128-54.7W PST 00:24 STATION C007
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.58	31.49	0	24.31	362.6	.00	.00	1484.
10	9.58	31.48	10	24.30	363.3	.36	.02	1484.
20	9.56	31.48	20	24.30	363.4	.73	.07	1485.
30	9.09	31.47	30	24.37	357.6	1.09	.17	1483.
50	8.46	31.61	50	24.57	338.1	1.79	.45	1481.
75	7.97	32.13	75	25.05	293.0	2.57	.95	1480.
100	7.44	32.91	99	25.74	228.0	3.23	1.53	1480.
125	6.97	33.39	124	26.18	186.7	3.75	2.13	1479.
150	6.27	33.76	149	26.56	150.5	4.17	2.71	1477.
175	5.57	33.97	174	26.82	126.1	4.51	3.28	1475.
200	5.49	34.00	199	26.85	123.4	4.83	3.88	1475.

DEEPEST MEASUREMENT:

200	5.49	34.00	199	26.85	123.4	4.83	3.88	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-030 DATE 29/05/82
POSITION 51-26.2N, 128-54.7W PST 01:12 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.54	31.50	0	24.32	361.2	.00	.00	1484.
10	9.54	31.50	10	24.32	361.4	.36	.02	1484.
20	9.54	31.50	20	24.32	361.6	.72	.07	1485.
30	9.32	31.50	30	24.36	358.1	1.08	.17	1484.
50	8.61	31.59	50	24.54	341.6	1.78	.45	1482.
75	7.81	32.41	75	25.29	270.1	2.56	.94	1480.
100	7.46	32.99	99	25.79	222.6	3.18	1.49	1480.
125	6.94	33.50	124	26.27	177.5	3.68	2.07	1479.
150	5.97	33.92	149	26.73	134.5	4.05	2.58	1476.

DEEPEST MEASUREMENT:

158	5.88	33.93	157	26.75	132.6	4.16	2.75	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-031 DATE 29/05/82
POSITION 51-28.0N, 128-54.7W PST 01:42 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.46	31.50	0	24.33	360.1	.00	.00	1484.
10	9.46	31.50	10	24.33	360.2	.36	.02	1484.
20	9.46	31.50	20	24.33	360.4	.72	.07	1484.
30	9.45	31.51	30	24.34	359.9	1.08	.17	1484.
50	8.36	31.97	50	24.87	310.1	1.77	.44	1481.
75	7.68	32.58	75	25.44	255.8	2.49	.90	1480.
DEEPEST MEASUREMENT:								
95	7.32	33.01	94	25.83	219.2	2.97	1.31	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-032 DATE 29/05/82
POSITION 51-30.0N, 128-54.7W PST 02:12 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.22	31.54	0	24.41	353.2	.00	.00	1483.
10	9.22	31.55	10	24.41	353.2	.35	.02	1483.
20	9.23	31.54	20	24.40	354.0	.71	.07	1483.
30	9.23	31.54	30	24.40	354.0	1.06	.16	1484.
50	8.92	31.70	50	24.57	338.0	1.75	.44	1483.
DEEPEST MEASUREMENT:								
51	8.95	31.68	51	24.55	340.0	1.78	.46	1483.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-033 DATE 29/05/82
POSITION 51-31.2N, 128-54.7W PST 02:30 STATION C003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.24	31.52	0	24.39	354.9	.00	.00	1483.
10	9.22	31.53	10	24.39	354.6	.35	.02	1483.
20	9.23	31.53	20	24.39	354.8	.71	.07	1483.
30	9.22	31.53	30	24.40	354.6	1.06	.16	1484.
50	9.11	31.59	50	24.46	348.7	1.77	.45	1484.

DEEPEST MEASUREMENT:

49	9.10	31.59	49	24.46	348.9	1.73	.43	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.24	31.52	25.		9.22	31.53
1.		9.24	31.52	26.		9.21	31.54
2.		9.24	31.52	27.		9.21	31.53
3.		9.24	31.52	28.		9.22	31.53
4.		9.24	31.52	29.		9.22	31.53
5.		9.23	31.52	30.		9.22	31.53
6.		9.23	31.53	31.		9.22	31.53
7.		9.22	31.53	32.		9.22	31.53
8.		9.22	31.52	33.		9.18	31.54
9.		9.22	31.53	34.		9.18	31.54
10.		9.22	31.53	35.		9.16	31.55
11.		9.22	31.53	36.		9.15	31.56
12.		9.22	31.53	37.		9.14	31.56
13.		9.22	31.53	38.		9.13	31.56
14.		9.23	31.53	39.		9.12	31.57
15.		9.22	31.53	40.		9.12	31.58
16.		9.22	31.53	41.		9.11	31.58
17.		9.22	31.53	42.		9.11	31.58
18.		9.23	31.52	43.		9.10	31.59
19.		9.23	31.52	44.		9.10	31.58
20.		9.23	31.53	45.		9.10	31.59
21.		9.23	31.53	46.		9.10	31.59
22.		9.23	31.53	47.		9.10	31.58
23.		9.23	31.53	48.		9.10	31.58
24.		9.23	31.53	49.		9.10	31.59

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-034 DATE 29/05/82
POSITION 51-32.8N, 128-54.7W PST 02:48 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.22	31.52	0	24.39	354.6	.00	.00	1483.
10	9.22	31.52	10	24.39	354.9	.35	.02	1483.
20	9.22	31.52	20	24.39	355.1	.71	.07	1483.
30	9.22	31.53	30	24.40	354.6	1.06	.16	1484.
50	9.21	31.57	50	24.43	351.9	1.77	.45	1484.
DEEPEST MEASUREMENT:								
52	9.21	31.57	52	24.43	351.8	1.84	.49	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-035 DATE 29/05/82
POSITION 51-34.0N, 128-54.7W PST 03:06 STATION C001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.22	31.60	0	24.45	348.9	.00	.00	1483.
10	9.19	31.59	10	24.45	349.4	.35	.02	1483.
20	9.20	31.60	20	24.45	349.0	.70	.07	1483.
30	9.20	31.60	30	24.46	348.8	1.05	.16	1484.
50	9.19	31.61	50	24.46	348.6	1.74	.44	1484.

DEEPEST MEASUREMENT:

48	9.18	31.62	48	24.47	347.9	1.67	.41	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.22	31.60	25.		9.19	31.59
1.		9.22	31.60	26.		9.19	31.60
2.		9.22	31.60	27.		9.19	31.59
3.		9.22	31.60	28.		9.19	31.60
4.		9.21	31.60	29.		9.19	31.60
5.		9.20	31.59	30.		9.20	31.60
6.		9.19	31.60	31.		9.20	31.60
7.		9.19	31.60	32.		9.19	31.61
8.		9.19	31.60	33.		9.19	31.61
9.		9.19	31.60	34.		9.19	31.60
10.		9.19	31.59	35.		9.19	31.61
11.		9.19	31.60	36.		9.19	31.61
12.		9.19	31.60	37.		9.19	31.61
13.		9.19	31.60	38.		9.19	31.61
14.		9.19	31.60	39.		9.19	31.61
15.		9.19	31.60	40.		9.19	31.61
16.		9.20	31.60	41.		9.19	31.61
17.		9.19	31.60	42.		9.19	31.62
18.		9.19	31.60	43.		9.18	31.61
19.		9.20	31.59	44.		9.18	31.62
20.		9.20	31.60	45.		9.18	31.61
21.		9.19	31.60	46.		9.18	31.61
22.		9.19	31.60	47.		9.18	31.62
23.		9.19	31.60	48.		9.18	31.62
24.		9.19	31.60				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-036 DATE 29/05/82
POSITION 51-35.3N, 128-54.7W PST 03:36 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.13	31.63	0	24.48	345.7	.00	.00	1483.
10	9.11	31.63	10	24.49	345.2	.35	.02	1483.
20	9.13	31.63	20	24.49	345.4	.69	.07	1483.
30	9.15	31.63	30	24.49	346.0	1.04	.16	1483.
50	9.19	31.65	50	24.50	345.3	1.73	.44	1484.

DEEPEST MEASUREMENT:

51	9.20	31.65	51	24.50	345.4	1.76	.46	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-037 DATE 29/05/82
POSITION 51-26.0N, 128-54.0W PST 13:30 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.63	31.48	0	24.29	364.0	.00	.00	1485.
10	9.66	31.48	10	24.29	364.7	.36	.02	1485.
20	9.43	31.48	20	24.33	361.1	.73	.07	1484.
30	9.04	31.46	30	24.37	356.9	1.09	.17	1483.
50	8.37	31.64	50	24.61	334.5	1.78	.45	1481.
75	7.76	32.49	75	25.36	263.4	2.53	.92	1480.
100	7.39	33.04	99	25.85	217.4	3.14	1.46	1480.
125	6.85	33.55	124	26.32	173.0	3.63	2.02	1479.
150	5.63	33.96	149	26.80	127.4	3.97	2.51	1475.

DEEPEST MEASUREMENT:

162	5.62	33.97	161	26.81	126.8	4.13	2.75	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-038 DATE 29/05/82
POSITION 51-35.5N, 128-55.0W PST 18:18 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.28	31.61	0	24.45	349.0	.00	.00	1483.
10	9.27	31.62	10	24.46	348.7	.35	.02	1484.
20	9.25	31.63	20	24.47	347.1	.70	.07	1484.
30	9.24	31.64	30	24.48	346.7	1.04	.16	1484.

DEEPEST MEASUREMENT:

45	9.24	31.66	45	24.49	345.8	1.56	.36	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.28	31.61	23.		9.23	31.63
1.		9.28	31.61	24.		9.22	31.64
2.		9.28	31.61	25.		9.23	31.64
3.		9.28	31.61	26.		9.23	31.64
4.		9.28	31.61	27.		9.23	31.63
5.		9.27	31.61	28.		9.23	31.64
6.		9.27	31.62	29.		9.22	31.65
7.		9.27	31.62	30.		9.24	31.64
8.		9.27	31.62	31.		9.24	31.64
9.		9.27	31.62	32.		9.25	31.64
10.		9.27	31.62	33.		9.25	31.64
11.		9.27	31.62	34.		9.25	31.65
12.		9.26	31.63	35.		9.25	31.65
13.		9.26	31.62	36.		9.25	31.66
14.		9.26	31.62	37.		9.25	31.65
15.		9.26	31.63	38.		9.25	31.65
16.		9.25	31.62	39.		9.24	31.66
17.		9.25	31.62	40.		9.24	31.65
18.		9.25	31.63	41.		9.23	31.66
19.		9.24	31.63	42.		9.24	31.66
20.		9.23	31.63	43.		9.24	31.66
21.		9.23	31.64	44.		9.24	31.66
22.		9.23	31.64	45.		9.24	31.66

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-039 DATE 29/05/82
POSITION 51-35.6N, 129- 2.0W PST 19:24 STATION M001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.26	31.59	0	24.43	350.6	.00	.00	1483.
10	9.26	31.59	10	24.44	350.4	.35	.02	1483.
20	9.21	31.60	20	24.45	349.4	.70	.07	1483.
30	9.19	31.59	30	24.45	349.7	1.05	.16	1484.

DEEPEST MEASUREMENT:

45	9.18	31.60	45	24.46	348.9	1.57	.36	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.26	31.59	23.		9.20	31.60
1.		9.26	31.59	24.		9.21	31.59
2.		9.26	31.59	25.		9.20	31.59
3.		9.26	31.59	26.		9.20	31.60
4.		9.26	31.59	27.		9.20	31.60
5.		9.26	31.59	28.		9.20	31.60
6.		9.26	31.59	29.		9.20	31.60
7.		9.26	31.58	30.		9.19	31.59
8.		9.26	31.59	31.		9.19	31.60
9.		9.27	31.59	32.		9.19	31.59
10.		9.26	31.59	33.		9.19	31.59
11.		9.26	31.60	34.		9.18	31.60
12.		9.26	31.60	35.		9.18	31.60
13.		9.24	31.60	36.		9.19	31.60
14.		9.25	31.59	37.		9.19	31.59
15.		9.23	31.59	38.		9.19	31.60
16.		9.21	31.60	39.		9.19	31.60
17.		9.21	31.60	40.		9.19	31.60
18.		9.21	31.60	41.		9.18	31.60
19.		9.21	31.60	42.		9.19	31.60
20.		9.21	31.60	43.		9.19	31.60
21.		9.21	31.59	44.		9.18	31.60
22.		9.20	31.60	45.		9.18	31.60

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-040 DATE 29/05/82
POSITION 51-35.5N, 129-10.0W PST 20:06 STATION M002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.27	31.72	0	24.53	341.0	.00	.00	1483.
10	9.27	31.71	10	24.53	341.6	.34	.02	1484.
20	9.10	31.72	20	24.57	338.3	.68	.07	1483.
30	9.05	31.72	30	24.57	337.9	1.02	.16	1483.

DEEPEST MEASUREMENT:

45	9.05	31.73	45	24.58	337.8	1.53	.35	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.27	31.72	23.		9.05	31.73
1.		9.27	31.72	24.		9.04	31.73
2.		9.27	31.72	25.		9.05	31.72
3.		9.27	31.72	26.		9.04	31.73
4.		9.27	31.72	27.		9.04	31.73
5.		9.28	31.71	28.		9.04	31.73
6.		9.27	31.72	29.		9.05	31.72
7.		9.27	31.71	30.		9.05	31.72
8.		9.27	31.71	31.		9.04	31.73
9.		9.27	31.71	32.		9.04	31.73
10.		9.27	31.71	33.		9.04	31.72
11.		9.26	31.71	34.		9.04	31.72
12.		9.26	31.71	35.		9.04	31.73
13.		9.27	31.70	36.		9.04	31.73
14.		9.26	31.71	37.		9.05	31.73
15.		9.25	31.71	38.		9.05	31.72
16.		9.19	31.71	39.		9.05	31.73
17.		9.14	31.72	40.		9.05	31.72
18.		9.12	31.72	41.		9.05	31.73
19.		9.11	31.72	42.		9.05	31.73
20.		9.10	31.72	43.		9.05	31.72
21.		9.09	31.71	44.		9.05	31.72
22.		9.06	31.72	45.		9.05	31.73

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-041 DATE 29/05/82
POSITION 51-35.7N, 129-18.5W PST 20:48 STATION M003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.66	0	24.50	344.5	.00	.00	1483.
10	9.21	31.65	10	24.49	345.0	.34	.02	1483.
20	9.21	31.66	20	24.50	344.9	.69	.07	1483.
30	9.05	31.66	30	24.52	342.7	1.03	.16	1483.
50	9.02	31.69	50	24.55	340.3	1.72	.44	1483.
DEEPEST MEASUREMENT:								
61	9.03	31.69	61	24.55	340.3	2.09	.65	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-042 DATE 29/05/82
POSITION 51-40.3N, 129-23.2W PST 21:36 STATION M004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.58	0	24.43	350.5	.00	.00	1483.
10	9.21	31.58	10	24.44	350.4	.35	.02	1483.
20	9.21	31.57	20	24.43	351.2	.70	.07	1483.
30	9.20	31.57	30	24.43	351.6	1.05	.16	1484.
50	8.41	31.84	50	24.76	320.2	1.73	.44	1481.
DEEPEST MEASUREMENT:								
62	8.10	32.13	62	25.03	294.9	2.10	.65	1481.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-043 DATE 29/05/82
POSITION 51-44.5N, 129-28.0W PST 22:24 STATION M005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.49	31.49	0	24.32	361.4	.00	.00	1484.
10	9.46	31.48	10	24.32	361.4	.36	.02	1484.
20	9.44	31.49	20	24.33	360.6	.72	.07	1484.
30	9.21	31.51	30	24.38	356.0	1.08	.16	1483.
50	8.66	31.66	50	24.58	337.4	1.78	.45	1482.
75	7.83	31.99	75	24.96	301.2	2.58	.95	1480.
DEEPEST MEASUREMENT:								
95	7.28	32.78	94	25.66	235.3	3.11	1.41	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-044 DATE 29/05/82
POSITION 51-46.3N, 129-30.0W PST 22:48 STATION M006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.37	31.50	0	24.35	358.5	.00	.00	1484.
10	9.37	31.50	10	24.35	358.8	.36	.02	1484.
20	9.37	31.49	20	24.34	359.4	.72	.07	1484.
30	9.37	31.49	30	24.35	359.5	1.08	.16	1484.
50	8.32	31.64	50	24.62	334.0	1.78	.45	1481.
75	7.75	32.06	75	25.03	294.9	2.57	.95	1479.
100	7.11	33.05	99	25.89	213.0	3.21	1.52	1479.
125	6.62	33.53	124	26.33	171.8	3.71	2.09	1478.
150	6.08	33.83	149	26.64	142.8	4.10	2.63	1476.
175	5.64	33.94	174	26.78	129.6	4.43	3.19	1475.
200	5.57	33.95	199	26.80	128.0	4.75	3.80	1475.
DEEPEST MEASUREMENT:								
207	5.56	33.94	206	26.79	128.6	4.84	3.99	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-045 DATE 29/05/82
POSITION 51-48.3N, 129-32.2W PST 23:24 STATION M007
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.30	31.48	0	24.35	358.8	.00	.00	1483.
10	9.30	31.49	10	24.36	358.3	.36	.02	1483.
20	9.29	31.49	20	24.35	358.7	.72	.07	1484.
30	9.12	31.52	30	24.40	353.9	1.07	.16	1483.
50	7.88	31.90	50	24.89	308.3	1.74	.43	1479.
75	7.60	32.20	75	25.16	282.6	2.48	.90	1479.
100	7.52	32.83	99	25.66	235.2	3.12	1.47	1480.
125	6.90	33.47	124	26.25	179.3	3.63	2.06	1479.
150	6.29	33.80	149	26.59	147.4	4.04	2.62	1477.
175	6.14	33.84	174	26.64	142.8	4.40	3.22	1477.
200	5.75	33.93	199	26.76	131.8	4.74	3.88	1476.
225	5.54	33.96	223	26.81	127.6	5.07	4.58	1476.
250	5.39	33.96	248	26.83	125.5	5.38	5.34	1475.

DEEPEST MEASUREMENT:

259	5.32	33.97	257	26.85	124.0	5.49	5.64	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-046 DATE 30/05/82
POSITION 51-50.3N, 129-33.1W PST 00:00 STATION M008
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.36	31.58	0	24.42	352.2	.00	.00	1484.
10	9.35	31.59	10	24.42	351.7	.35	.02	1484.
20	9.34	31.59	20	24.42	352.2	.70	.07	1484.
30	9.35	31.66	30	24.48	346.8	1.06	.16	1484.
50	8.38	32.08	50	24.95	301.8	1.70	.42	1481.
75	7.82	32.43	75	25.31	268.2	2.41	.87	1480.
100	7.39	32.87	99	25.71	230.6	3.04	1.43	1479.
125	6.87	33.37	124	26.18	186.3	3.55	2.02	1478.
150	6.40	33.76	149	26.55	151.6	3.97	2.60	1478.
175	6.13	33.85	174	26.65	141.9	4.34	3.20	1477.
200	5.56	33.95	199	26.80	128.1	4.68	3.86	1475.
225	5.29	33.98	223	26.86	122.9	4.99	4.53	1475.
250	5.25	33.98	248	26.86	122.5	5.30	5.27	1475.

DEEPEST MEASUREMENT:

264	5.20	33.99	262	26.87	121.8	5.47	5.72	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-047 DATE 30/05/82
POSITION 51-53.0N, 129-38.7W PST 00:42 STATION M009
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.29	31.70	0	24.51	342.9	.00	.00	1484.
10	9.29	31.71	10	24.52	342.1	.34	.02	1484.
20	9.29	31.70	20	24.52	343.1	.69	.07	1484.
30	9.24	31.74	30	24.56	339.5	1.03	.16	1484.
50	8.27	32.17	50	25.04	293.8	1.65	.41	1481.
75	7.51	32.85	75	25.68	233.3	2.31	.82	1479.
100	7.15	33.26	99	26.05	198.3	2.85	1.30	1479.
125	6.99	33.42	124	26.20	184.5	3.32	1.85	1479.
150	6.98	33.59	149	26.33	172.4	3.77	2.47	1480.
175	6.48	33.72	174	26.50	156.5	4.19	3.16	1478.
200	6.07	33.87	199	26.67	140.5	4.56	3.87	1477.
225	5.97	33.88	223	26.70	138.3	4.91	4.62	1477.
DEEPEST MEASUREMENT:								
235	5.97	33.88	233	26.70	138.5	5.04	4.95	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-048 DATE 30/05/82
POSITION 51-55.5N, 129-42.9W PST 01:18 STATION M010
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.06	31.70	0	24.56	339.0	.00	.00	1483.
10	9.05	31.69	10	24.55	340.1	.34	.02	1483.
20	9.05	31.69	20	24.54	340.5	.68	.07	1483.
30	9.04	31.70	30	24.56	339.5	1.02	.16	1483.
50	7.79	32.09	50	25.04	293.3	1.65	.41	1479.
75	7.67	32.65	75	25.50	250.1	2.33	.84	1480.
100	7.26	33.16	99	25.96	207.0	2.88	1.33	1479.
125	7.15	33.28	124	26.07	196.6	3.38	1.91	1479.
150	6.99	33.53	149	26.29	176.7	3.84	2.55	1480.
175	6.60	33.68	174	26.46	160.7	4.26	3.25	1479.
DEEPEST MEASUREMENT:								
180	6.52	33.70	179	26.48	158.0	4.34	3.39	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-049 DATE 30/05/82
POSITION 51-57.7N, 129-46.1W PST 01:48 STATION MO11
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.12	31.71	0	24.55	339.3	.00	.00	1483.
10	9.10	31.71	10	24.56	338.9	.34	.02	1483.
20	9.11	31.71	20	24.55	339.5	.68	.07	1483.
30	8.81	31.87	30	24.72	323.7	1.01	.15	1482.
50	8.23	32.16	50	25.03	294.2	1.62	.40	1481.
75	7.50	32.73	75	25.59	241.5	2.28	.82	1479.
100	7.36	33.06	99	25.86	215.9	2.86	1.34	1480.
125	7.35	33.07	124	25.87	215.3	3.40	1.95	1480.

DEEPEST MEASUREMENT:

126	7.35	33.07	125	25.88	215.1	3.42	1.98	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-050 DATE 30/05/82
POSITION 51-57.7N, 129-54.5W PST 02:48 STATION MU12
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.20	31.79	0	24.60	335.0	.00	.00	1483.
10	9.20	31.78	10	24.60	335.3	.34	.02	1483.
20	9.10	31.88	20	24.69	326.6	.67	.07	1483.
30	9.09	31.89	30	24.70	326.0	.99	.15	1484.
50	7.95	32.04	50	24.99	298.5	1.62	.41	1480.
75	7.58	32.45	75	25.36	263.9	2.32	.85	1479.
100	7.34	33.03	99	25.84	217.9	2.95	1.40	1479.
125	7.29	33.10	124	25.91	211.9	3.48	2.02	1480.

DEEPEST MEASUREMENT:

131	7.29	33.11	130	25.91	211.6	3.61	2.18	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-051 DATE 30/05/82
POSITION 51-57.7N, 130- 2.5W PST 03:24 STATION M013
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.07	31.82	0	24.64	330.7	.00	.00	1483.
10	9.08	31.81	10	24.64	331.2	.33	.02	1483.
20	9.04	31.82	20	24.65	330.1	.66	.07	1483.
30	8.85	31.84	30	24.70	326.1	.99	.15	1483.
50	7.92	32.15	50	25.08	290.1	1.60	.40	1480.
75	7.51	32.55	75	25.45	255.3	2.30	.84	1479.
100	7.45	32.94	99	25.76	226.2	2.89	1.37	1480.
125	7.16	33.24	124	26.04	200.0	3.44	1.99	1479.
150	7.07	33.31	149	26.11	193.6	3.93	2.68	1480.

DEEPEST MEASUREMENT:

150	7.07	33.31	149	26.11	193.6	3.93	2.68	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-052 DATE 30/05/82
POSITION 51-57.7N, 130- 1.9W PST 04:06 STATION M014
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.33	31.76	0	24.56	338.7	.00	.00	1484.
10	9.33	31.76	10	24.56	338.6	.34	.02	1484.
20	9.18	31.80	20	24.62	333.5	.68	.07	1484.
30	8.95	31.85	30	24.68	327.2	1.01	.15	1483.
50	8.35	32.00	50	24.89	307.7	1.64	.41	1481.
75	7.83	32.42	75	25.30	269.3	2.36	.87	1480.
100	7.33	33.14	99	25.93	209.3	2.95	1.39	1480.
125	7.23	33.25	124	26.03	200.3	3.46	1.97	1480.
150	6.98	33.47	149	26.24	180.8	3.93	2.64	1479.
175	6.25	33.77	174	26.57	149.4	4.33	3.30	1477.

DEEPEST MEASUREMENT:

184	6.15	33.80	183	26.61	146.1	4.47	3.54	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-053 DATE 30/05/82
POSITION 51-57.8N, 130-18.5W PST 04:42 STATION M015
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.65	0	24.49	345.1	.00	.00	1483.
10	9.21	31.65	10	24.49	345.0	.35	.02	1483.
20	9.21	31.67	20	24.50	344.3	.69	.07	1484.
30	9.09	31.70	30	24.55	340.2	1.03	.16	1483.
50	7.96	32.08	50	25.02	295.8	1.67	.41	1480.
75	7.79	32.41	75	25.30	269.3	2.38	.87	1480.
100	7.48	32.78	99	25.63	238.2	3.01	1.43	1480.
125	7.02	33.37	124	26.16	188.6	3.54	2.04	1479.
150	6.54	33.68	149	26.46	159.5	3.99	2.65	1478.
175	5.89	33.86	174	26.69	138.5	4.36	3.27	1476.
200	5.54	33.93	199	26.79	129.0	4.69	3.90	1475.
225	5.42	33.96	223	26.82	126.2	5.01	4.59	1475.

DEEPEST MEASUREMENT:

245	5.35	33.97	243	26.84	124.7	5.26	5.19	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-054 DATE 30/05/82
POSITION 51-57.6N, 130-35.0W PST 05:54 STATION M016
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.45	31.89	0	24.64	330.8	.00	.00	1484.
10	9.44	31.88	10	24.64	331.4	.33	.02	1485.
20	9.35	31.91	20	24.68	327.9	.66	.07	1484.
30	9.21	31.98	30	24.75	321.2	.99	.15	1484.
50	8.56	32.22	50	25.04	293.7	1.60	.40	1482.
75	7.48	32.71	75	25.58	243.0	2.29	.84	1479.
100	7.20	32.95	99	25.81	221.5	2.88	1.36	1479.
125	6.70	33.47	124	26.28	177.0	3.38	1.93	1478.
150	6.16	33.69	149	26.52	154.1	3.81	2.53	1476.
175	5.75	33.88	174	26.72	134.9	4.17	3.13	1475.
200	5.47	33.95	199	26.81	127.2	4.50	3.75	1475.
225	5.18	33.97	223	26.86	122.1	4.81	4.43	1474.
250	4.92	34.04	248	26.95	114.6	5.11	5.15	1473.
300	4.84	34.05	298	26.96	113.6	5.68	6.75	1474.

DEEPEST MEASUREMENT:

348	4.60	34.10	345	27.03	107.3	6.21	8.50	1474.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-055 DATE 30/05/82
POSITION 51-45.5N, 130-34.1W PST 08:48 STATION MC01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.42	32.18	0	25.02	294.6	.00	.00	1481.
10	8.40	32.17	10	25.02	294.8	.29	.02	1481.
20	8.20	32.24	20	25.11	286.8	.59	.06	1480.
30	7.98	32.33	30	25.20	277.8	.87	.13	1480.
50	7.71	32.50	50	25.38	261.6	1.41	.35	1479.
75	7.62	32.54	75	25.42	257.5	2.06	.76	1479.
100	7.36	32.83	99	25.69	232.6	2.69	1.32	1479.
125	7.21	33.07	124	25.90	213.3	3.24	1.96	1479.
150	6.18	33.67	149	26.51	155.5	3.71	2.62	1476.
175	6.15	33.87	174	26.66	140.9	4.08	3.23	1477.
200	5.60	33.90	199	26.76	131.9	4.42	3.88	1475.
225	5.39	33.94	223	26.81	126.9	4.74	4.57	1475.
250	5.37	33.95	248	26.83	126.0	5.06	5.34	1475.
300	4.90	34.03	298	26.94	115.3	5.66	7.03	1474.
400	4.58	34.08	397	27.01	109.5	6.78	10.98	1475.
DEEPEST MEASUREMENT:								
427	4.60	34.06	424	27.00	111.1	7.07	12.24	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-056 DATE 30/05/82
POSITION 51-45.5N, 130-34.1W PST 09:18 STATION MC02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	8.43	32.20	0	25.04	293.1	.00	.00	1481.
10	8.41	32.19	10	25.03	293.7	.29	.01	1481.
20	8.37	32.19	20	25.04	293.3	.59	.06	1481.
30	8.23	32.25	30	25.11	286.5	.88	.13	1481.
50	7.68	32.54	50	25.42	257.7	1.43	.36	1479.
75	7.53	32.64	75	25.52	248.6	2.06	.76	1479.
100	7.32	32.89	99	25.74	227.7	2.65	1.29	1479.
125	7.25	33.03	124	25.86	216.9	3.21	1.92	1479.
150	6.35	33.61	149	26.43	162.6	3.66	2.56	1477.
175	6.29	33.88	174	26.65	142.0	4.03	3.17	1478.
200	5.78	33.92	199	26.75	132.8	4.38	3.83	1476.
225	5.41	33.94	223	26.81	127.1	4.70	4.53	1475.
250	5.34	34.00	248	26.86	122.5	5.01	5.28	1475.
300	5.02	34.04	298	26.93	116.3	5.61	6.95	1475.
400	4.76	34.06	397	26.98	112.6	6.75	11.03	1475.

DEEPEST MEASUREMENT:

431	4.75	34.06	428	26.98	112.7	7.10	12.51	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82[illegible]1-057 DATE 30/05/82
POSITION 51-[illegible], 128-55.0W PST 20:48 STATION COOD
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.82	31.66	0	24.40	353.8	.00	.00	1485.
10	9.52	31.65	10	24.45	349.5	.35	.02	1484.
20	9.35	31.69	20	24.50	344.3	.70	.07	1484.
30	8.95	31.75	30	24.61	334.3	1.04	.16	1483.
50	8.95	31.74	50	24.60	335.4	1.71	.43	1483.

DEEPEST MEASUREMENT:

50	8.95	31.74	50	24.60	335.4	1.71	.43	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.82	31.66	26.		8.98	31.76
1.		9.82	31.66	27.		8.97	31.75
2.		9.82	31.66	28.		8.96	31.75
3.		9.82	31.66	29.		8.95	31.75
4.		9.82	31.66	30.		8.95	31.75
5.		9.82	31.66	31.		8.95	31.75
6.		9.83	31.64	32.		8.95	31.75
7.		9.81	31.65	33.		8.95	31.74
8.		9.61	31.67	34.		8.94	31.75
9.		9.53	31.67	35.		8.94	31.75
10.		9.52	31.65	36.		8.94	31.75
11.		9.50	31.66	37.		8.93	31.76
12.		9.48	31.67	38.		8.94	31.74
13.		9.47	31.65	39.		8.94	31.75
14.		9.48	31.65	40.		8.94	31.75
16.		9.47	31.65	41.		8.94	31.75
17.		9.45	31.65	42.		8.94	31.74
18.		9.45	31.65	43.		8.94	31.74
19.		9.42	31.67	44.		8.94	31.74
20.		9.35	31.69	45.		8.94	31.73
21.		9.20	31.73	46.		8.95	31.74
22.		9.08	31.74	47.		8.94	31.74
23.		9.05	31.74	48.		8.95	31.75
24.		9.02	31.75	49.		8.94	31.75
25.		9.00	31.76	50.		8.95	31.74

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-058 DATE 30/05/82
POSITION 51-37.6N, 128-47.0W PST 21:48 STATION GI01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.60	31.58	0	24.37	356.2	.00	.00	1485.
10	9.37	31.58	10	24.41	353.2	.36	.02	1484.
20	9.09	31.64	20	24.51	344.1	.70	.07	1483.
30	8.88	31.70	30	24.58	336.9	1.04	.16	1482.

DEEPEST MEASUREMENT:

46	8.88	31.70	46	24.58	337.6	1.58	.37	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.60	31.58	24.		8.96	31.68
1.		9.60	31.58	25.		8.94	31.69
2.		9.60	31.58	26.		8.92	31.69
3.		9.60	31.58	27.		8.91	31.70
4.		9.60	31.58	28.		8.91	31.69
5.		9.61	31.57	29.		8.90	31.70
6.		9.57	31.57	30.		8.88	31.70
7.		9.51	31.57	31.		8.88	31.70
8.		9.46	31.58	32.		8.88	31.70
9.		9.40	31.58	33.		8.88	31.69
10.		9.37	31.58	34.		8.87	31.71
11.		9.30	31.59	35.		8.87	31.70
12.		9.28	31.59	36.		8.88	31.71
13.		9.28	31.58	37.		8.88	31.70
14.		9.27	31.58	38.		8.88	31.70
15.		9.26	31.58	39.		8.88	31.71
16.		9.25	31.60	40.		8.87	31.71
17.		9.19	31.63	41.		8.87	31.71
18.		9.14	31.64	42.		8.87	31.70
19.		9.11	31.64	43.		8.88	31.71
20.		9.09	31.64	44.		8.88	31.70
21.		9.05	31.66	45.		8.88	31.70
22.		9.01	31.67	46.		8.88	31.70
23.		8.97	31.69				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-059 DATE 30/05/82
POSITION 51-39.4N, 128-41.0W PST 22:24 STATION GI02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.28	31.32	0	24.07	385.7	.00	.00	1487.
10	9.89	31.43	10	24.21	372.1	.38	.02	1486.
20	9.59	31.53	20	24.34	359.8	.75	.07	1485.
30	9.29	31.61	30	24.45	349.9	1.10	.16	1484.

DEEPEST MEASUREMENT:

42	8.61	31.80	42	24.70	325.7	1.51	.31	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.28	31.32	22.		9.52	31.56
1.		10.28	31.32	23.		9.48	31.58
2.		10.28	31.32	24.		9.44	31.59
3.		10.28	31.32	25.		9.42	31.59
4.		10.28	31.32	26.		9.39	31.60
5.		10.28	31.32	27.		9.36	31.60
6.		10.28	31.32	28.		9.34	31.60
7.		10.24	31.35	29.		9.30	31.61
8.		10.16	31.36	30.		9.29	31.61
9.		9.92	31.41	31.		9.28	31.62
10.		9.89	31.43	32.		9.27	31.62
11.		9.84	31.47	33.		9.22	31.62
12.		9.78	31.49	34.		9.14	31.64
13.		9.71	31.52	35.		8.96	31.68
14.		9.69	31.52	36.		8.81	31.75
15.		9.66	31.52	37.		8.72	31.77
16.		9.66	31.52	38.		8.66	31.79
17.		9.64	31.53	39.		8.64	31.78
18.		9.63	31.52	40.		8.63	31.80
19.		9.61	31.54	41.		8.61	31.80
20.		9.59	31.53	42.		8.61	31.80
21.		9.56	31.55				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-060 DATE 30/05/82
POSITION 51-40.5N, 128-36.9W PST 22:48 STATION G103
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.18	31.17	0	23.96	395.8	.00	.00	1486.
10	10.27	31.07	10	23.87	404.2	.40	.02	1487.
20	9.07	31.63	20	24.50	344.6	.77	.08	1483.
30	8.56	31.81	30	24.71	324.4	1.10	.16	1481.

DEEPEST MEASUREMENT:

34	8.56	31.80	34	24.71	324.7	1.23	.20	1481.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.18	31.17	18.		9.21	31.58
1.		10.18	31.17	19.		9.15	31.60
2.		10.18	31.17	20.		9.07	31.63
3.		10.18	31.17	21.		9.00	31.66
4.		10.18	31.17	22.		8.93	31.68
5.		10.27	31.14	23.		8.74	31.75
6.		10.35	31.12	24.		8.60	31.81
7.		10.38	31.09	25.		8.57	31.81
8.		10.38	31.07	26.		8.56	31.81
9.		10.32	31.07	27.		8.56	31.80
10.		10.27	31.07	28.		8.56	31.81
11.		10.12	31.11	29.		8.57	31.80
12.		10.09	31.13	30.		8.56	31.81
13.		10.06	31.14	31.		8.56	31.80
14.		9.84	31.28	32.		8.56	31.81
15.		9.34	31.54	33.		8.56	31.81
16.		9.25	31.57	34.		8.56	31.80
17.		9.22	31.58				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-061 DATE 30/05/82
POSITION 51-41.1N, 128-33.1W PST 23:24 STATION GI04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.25	30.93	0	23.76	414.7	.00	.00	1486.
10	10.14	30.96	10	23.81	410.5	.41	.02	1486.
20	9.24	31.55	20	24.41	353.5	.79	.08	1483.
30	9.11	31.64	30	24.50	344.9	1.14	.17	1483.
50	8.22	31.96	50	24.88	308.5	1.80	.43	1481.
75	7.78	32.29	75	25.20	278.5	2.55	.91	1480.
100	7.23	32.93	99	25.78	223.6	3.18	1.47	1479.
125	6.85	33.39	124	26.20	184.8	3.67	2.03	1478.

DEEPEST MEASUREMENT:

125	6.85	33.39	124	26.20	184.8	3.67	2.03	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-062 DATE 31/05/82
POSITION 51-42.8N, 128-28.8W PST 00:06 STATION GI05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.70	31.24	0	24.09	382.9	.00	.00	1484.
10	9.57	31.26	10	24.13	379.4	.38	.02	1484.
20	9.11	31.33	20	24.26	367.6	.76	.08	1483.
30	8.78	31.52	30	24.45	349.3	1.11	.17	1482.
50	7.87	31.55	50	24.61	334.1	1.80	.45	1479.
75	7.52	32.31	75	25.25	273.7	2.57	.93	1479.
100	7.19	33.19	99	25.99	203.9	3.16	1.46	1479.
125	6.75	33.59	124	26.37	168.7	3.62	1.99	1478.

DEEPEST MEASUREMENT:

146	6.42	33.72	145	26.51	155.1	3.96	2.45	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-063 DATE 31/05/82
POSITION 51-43.7N, 128-24.6W PST 00:42 STATION GI06
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.71	29.91	0	22.90	497.3	.00	.00	1486.
10	9.64	31.21	10	24.08	384.0	.48	.02	1484.
20	9.32	31.49	20	24.35	359.1	.84	.08	1484.
30	8.73	31.48	30	24.43	351.3	1.20	.17	1482.
50	8.26	31.70	50	24.68	328.2	1.88	.45	1480.
75	7.59	32.65	75	25.51	249.4	2.61	.91	1479.
100	7.00	33.40	99	26.18	186.1	3.15	1.38	1479.
125	6.78	33.57	124	26.34	170.8	3.59	1.89	1478.
150	6.60	33.71	149	26.48	157.9	4.00	2.47	1478.

DEEPEST MEASUREMENT:

151	6.26	33.78	150	26.58	148.4	4.02	2.49	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-064 DATE 31/05/82
POSITION 51-44.7N, 128-21.0W PST 01:[illegible] STATION GI07
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.70	29.45	0	22.54	531.0	.00	.00	1486.
10	9.66	30.93	10	23.86	405.6	.51	.03	1484.
20	9.25	31.40	20	24.29	364.3	.88	.08	1483.
30	9.12	31.45	30	24.35	358.8	1.24	.17	1483.
50	8.52	31.69	50	24.63	332.7	1.94	.46	1481.
75	7.57	32.51	75	25.41	259.0	2.69	.93	1479.
100	7.02	33.35	99	26.14	189.7	3.24	1.42	1479.
125	6.77	33.62	124	26.39	166.7	3.68	1.93	1478.

DEEPEST MEASUREMENT:

144	6.58	33.72	143	26.49	156.8	3.99	2.35	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-065 DATE 31/05/82
POSITION 51-45.3N, 128-18.5W PST 01:36 STATION G108
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.37	30.78	0	23.79	411.7	.00	.00	1483.
10	9.37	30.78	10	23.79	411.8	.41	.02	1483.
20	8.88	31.20	20	24.19	374.3	.80	.08	1482.
30	8.87	31.50	30	24.43	351.8	1.17	.17	1482.
50	8.15	31.76	50	24.74	322.6	1.85	.45	1480.
75	7.57	32.35	75	25.28	270.9	2.61	.93	1479.
100	7.04	33.38	99	26.16	187.4	3.19	1.44	1479.
125	6.77	33.67	124	26.42	163.1	3.62	1.94	1478.
150	5.57	33.97	149	26.81	126.0	3.99	2.46	1474.

DEEPEST MEASUREMENT:

152	5.57	33.96	151	26.81	126.5	4.02	2.49	1474.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-066 DATE 31/05/82
POSITION 51-35.3N, 128-54.7W PST 16:54 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.79	31.64	0	24.39	355.0	.00	.00	1485.
10	9.72	31.64	10	24.41	353.4	.36	.02	1485.
20	9.22	31.68	20	24.52	343.0	.70	.07	1484.
30	9.06	31.71	30	24.56	338.7	1.04	.16	1483.
50	8.86	31.75	50	24.62	333.4	1.71	.43	1483.

DEEPEST MEASUREMENT:

49	8.87	31.75	49	24.62	333.4	1.68	.41	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.79	31.64	25.		9.16	31.69
1.		9.79	31.64	26.		9.14	31.70
2.		9.79	31.64	27.		9.11	31.70
3.		9.79	31.64	28.		9.10	31.71
4.		9.79	31.64	29.		9.09	31.71
5.		9.79	31.64	30.		9.06	31.71
6.		9.80	31.63	31.		9.06	31.72
7.		9.80	31.63	32.		9.04	31.73
8.		9.80	31.63	33.		9.03	31.72
9.		9.76	31.64	34.		9.01	31.72
10.		9.72	31.64	35.		9.00	31.72
11.		9.54	31.66	36.		8.98	31.73
12.		9.50	31.65	37.		8.98	31.73
13.		9.44	31.65	38.		8.96	31.74
14.		9.40	31.66	39.		8.95	31.74
15.		9.32	31.68	40.		8.94	31.74
16.		9.30	31.68	41.		8.92	31.75
17.		9.28	31.68	42.		8.91	31.75
18.		9.25	31.69	43.		8.89	31.76
19.		9.24	31.69	44.		8.89	31.76
20.		9.22	31.68	45.		8.89	31.74
21.		9.20	31.68	46.		8.88	31.76
22.		9.20	31.69	47.		8.87	31.75
23.		9.19	31.69	48.		8.87	31.75
24.		9.17	31.70	49.		8.87	31.75

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-067 DATE 31/05/82
POSITION 51-34.0N, 128-54.7W PST 17:12 STATION C001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.60	31.63	0	24.42	352.3	.00	.00	1485.
10	9.56	31.63	10	24.42	352.3	.35	.02	1485.
20	9.31	31.63	20	24.46	348.7	.70	.07	1484.
30	9.29	31.63	30	24.46	348.2	1.05	.16	1484.
50	9.25	31.66	50	24.49	345.8	1.75	.44	1484.

DEEPEST MEASUREMENT:

50	9.25	31.66	50	24.49	345.8	1.75	.44	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.60	31.63	26.		9.30	31.62
1.		9.60	31.63	27.		9.31	31.61
2.		9.60	31.63	28.		9.30	31.63
3.		9.60	31.63	29.		9.30	31.62
4.		9.60	31.63	30.		9.29	31.63
5.		9.61	31.63	31.		9.29	31.63
6.		9.61	31.63	32.		9.30	31.62
7.		9.58	31.63	33.		9.29	31.63
8.		9.59	31.63	34.		9.28	31.64
9.		9.57	31.63	35.		9.28	31.63
10.		9.56	31.63	36.		9.28	31.63
11.		9.52	31.65	37.		9.26	31.65
12.		9.48	31.63	38.		9.26	31.65
13.		9.44	31.63	39.		9.26	31.65
14.		9.38	31.61	40.		9.26	31.65
15.		9.35	31.61	41.		9.26	31.66
16.		9.35	31.61	42.		9.26	31.66
17.		9.34	31.62	43.		9.25	31.66
18.		9.32	31.61	44.		9.25	31.66
19.		9.32	31.61	45.		9.25	31.66
20.		9.31	31.63	46.		9.25	31.66
21.		9.31	31.61	47.		9.25	31.66
22.		9.31	31.62	48.		9.25	31.66
23.		9.30	31.63	49.		9.25	31.66
24.		9.29	31.64	50.		9.25	31.66
25.		9.30	31.63				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-068 DATE 31/05/82
POSITION 51-32.8N, 128-54.7W PST 17:24 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.62	31.61	0	24.39	354.6	.00	.00	1485.
10	9.32	31.60	10	24.44	350.6	.35	.02	1484.
20	9.29	31.61	20	24.45	349.6	.70	.07	1484.
30	9.29	31.61	30	24.45	349.9	1.05	.16	1484.
50	9.29	31.61	50	24.45	349.9	1.75	.45	1484.
DEEPEST MEASUREMENT:								
51	9.29	31.61	51	24.45	350.0	1.79	.46	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-069 DATE 31/05/82
POSITION 51-31.2N, 128-54.7W PST 17:42 STATION C003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.75	31.55	0	24.33	360.6	.00	.00	1485.
10	9.74	31.56	10	24.33	360.2	.36	.02	1485.
20	9.45	31.55	20	24.38	356.3	.72	.07	1484.
30	9.38	31.58	30	24.41	353.3	1.07	.16	1484.

DEEPEST MEASUREMENT:

45	8.93	31.78	45	24.63	332.5	1.59	.36	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.75	31.55	23.		9.42	31.56
1.		9.75	31.55	24.		9.42	31.56
2.		9.75	31.55	25.		9.42	31.56
3.		9.75	31.55	26.		9.42	31.56
4.		9.75	31.55	27.		9.41	31.57
5.		9.76	31.56	28.		9.41	31.56
6.		9.74	31.56	29.		9.39	31.57
7.		9.75	31.56	30.		9.38	31.58
8.		9.74	31.56	31.		9.36	31.59
9.		9.75	31.56	32.		9.26	31.61
10.		9.74	31.56	33.		9.23	31.62
11.		9.75	31.55	34.		9.23	31.62
12.		9.74	31.55	35.		9.21	31.63
13.		9.57	31.56	36.		9.19	31.63
14.		9.52	31.58	37.		9.17	31.65
15.		9.51	31.56	38.		9.17	31.64
16.		9.48	31.56	39.		9.17	31.65
17.		9.47	31.55	40.		9.15	31.65
18.		9.47	31.55	41.		9.15	31.65
19.		9.45	31.56	42.		9.14	31.66
20.		9.45	31.55	43.		9.10	31.68
21.		9.44	31.56	44.		9.02	31.73
22.		9.43	31.56	45.		8.93	31.78

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-070 DATE 31/05/82
POSITION 51-30.0N, 128-54.7W PST 17:54 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.83	31.57	0	24.33	360.8	.00	.00	1485.
10	9.66	31.57	10	24.36	358.0	.36	.02	1485.
20	9.33	31.57	20	24.41	352.9	.71	.07	1484.
30	9.31	31.59	30	24.43	351.9	1.07	.16	1484.
50	8.72	31.82	50	24.70	326.3	1.74	.44	1482.

DEEPEST MEASUREMENT:

61	8.01	32.23	61	25.12	285.8	2.08	.63	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-071 DATE 31/05/82
POSITION 51-28.0N, 128-54.7W PST 18:06 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.03	31.49	0	24.23	369.6	.00	.00	1486.
10	9.76	31.52	10	24.31	363.0	.37	.02	1485.
20	9.41	31.54	20	24.37	356.9	.73	.07	1484.
30	9.28	31.55	30	24.40	354.1	1.08	.16	1484.
50	8.43	31.85	50	24.77	319.7	1.76	.44	1481.
75	7.76	32.50	75	25.37	262.6	2.48	.89	1480.
100	7.24	33.12	99	25.93	209.7	3.05	1.40	1479.

DEEPEST MEASUREMENT:

114	6.61	33.62	113	26.41	164.5	3.31	1.69	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-072 DATE 31/05/82
POSITION 51-26.2N, 128-54.7W PST 18:24 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.17	31.50	0	24.22	371.1	.00	.00	1487.
10	9.74	31.50	10	24.29	364.2	.37	.02	1485.
20	9.56	31.51	20	24.33	360.8	.73	.07	1485.
30	9.45	31.53	30	24.36	358.0	1.09	.17	1484.
50	8.68	31.79	50	24.68	327.7	1.79	.45	1482.
75	7.53	32.75	75	25.60	240.9	2.51	.91	1479.
100	7.30	33.08	99	25.89	213.6	3.07	1.40	1479.
125	6.48	33.73	124	26.51	154.8	3.56	1.96	1477.
150	5.59	33.96	149	26.81	126.8	3.89	2.42	1474.

DEEPEST MEASUREMENT:

169	5.59	33.97	168	26.81	126.7	4.13	2.81	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-073 DATE 31/05/82
POSITION 51-24.5N, 128-54.7W PST 18:42 STATION C007
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.05	31.43	0	24.19	374.0	.00	.00	1486.
10	9.66	31.43	10	24.25	368.7	.37	.02	1485.
20	9.38	31.46	20	24.32	361.9	.74	.07	1484.
30	9.44	31.55	30	24.38	356.3	1.10	.17	1484.
50	9.01	31.69	50	24.55	340.0	1.80	.45	1483.
75	7.72	32.51	75	25.39	261.1	2.57	.94	1480.
100	7.42	32.96	99	25.78	223.7	3.18	1.48	1480.
125	6.63	33.65	124	26.43	162.7	3.64	2.01	1478.
150	5.62	33.96	149	26.80	127.2	4.00	2.50	1475.
175	5.57	33.97	174	26.81	126.6	4.31	3.02	1475.
200	5.56	33.97	199	26.81	126.7	4.63	3.63	1475.

DEEPEST MEASUREMENT:

211	5.56	33.97	210	26.82	126.6	4.77	3.92	1475.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-074 DATE 31/05/82
POSITION 51-23.0N, 128-54.7W PST 19:00 STATION C008
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.14	31.38	0	24.13	379.7	.00	.00	1486.
10	10.11	31.37	10	24.13	379.8	.38	.02	1486.
20	9.59	31.40	20	24.23	370.1	.75	.08	1485.
30	9.16	31.41	30	24.31	362.6	1.12	.17	1483.
50	8.62	31.62	50	24.56	339.7	1.83	.46	1482.
75	7.85	32.34	75	25.24	275.4	2.61	.95	1480.
100	7.26	33.20	99	25.99	204.2	3.21	1.48	1479.
125	6.89	33.50	124	26.28	177.2	3.68	2.02	1479.
150	6.10	33.83	149	26.64	143.1	4.08	2.59	1476.
175	5.83	33.93	174	26.75	132.5	4.42	3.15	1476.
200	5.35	33.99	199	26.86	122.7	4.74	3.76	1474.
225	5.19	34.01	223	26.89	119.6	5.05	4.41	1474.

DEEPEST MEASUREMENT:

235	5.19	34.01	233	26.89	119.4	5.16	4.69	1474.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-075 DATE 31/05/82
POSITION 51-18.4N, 128-53.4W PST 19:42 STATION C010
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.95	31.39	0	24.17	375.4	.00	.00	1486.
10	9.89	31.38	10	24.17	375.8	.38	.02	1486.
20	9.57	31.39	20	24.23	370.4	.75	.08	1485.
30	9.33	31.45	30	24.31	362.4	1.12	.17	1484.
50	8.62	31.61	50	24.55	339.9	1.82	.46	1482.
75	8.14	32.13	75	25.02	295.5	2.62	.96	1481.
100	7.23	33.13	99	25.94	209.1	3.24	1.51	1479.
125	6.93	33.77	124	26.48	157.6	3.70	2.04	1479.
150	6.54	33.84	149	26.59	147.6	4.08	2.57	1478.
175	6.29	33.89	174	26.66	141.3	4.44	3.16	1478.
200	5.92	33.93	199	26.74	134.2	4.78	3.82	1477.
225	5.72	33.95	223	26.78	130.1	5.11	4.53	1476.

DEEPEST MEASUREMENT:

234	5.68	33.96	232	26.79	129.1	5.23	4.80	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-076 DATE 31/05/82
POSITION 51-15.5N, 128-52.0W PST 20:12 STATION CO11
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.03	31.44	0	24.20	373.3	.00	.00	1486.
10	9.78	31.45	10	24.25	368.4	.37	.02	1485.
20	9.58	31.46	20	24.29	364.9	.74	.07	1485.
30	9.45	31.47	30	24.32	362.4	1.10	.17	1484.
50	8.67	31.60	50	24.54	341.7	1.81	.46	1482.
75	7.71	32.53	75	25.40	259.6	2.59	.95	1480.
100	7.32	33.50	99	26.22	182.6	3.15	1.44	1480.
125	7.12	33.66	124	26.37	168.0	3.59	1.94	1480.
150	6.88	33.77	149	26.49	157.3	3.99	2.51	1479.
175	6.58	33.84	174	26.59	148.3	4.37	3.14	1479.
200	5.96	33.92	199	26.73	135.3	4.73	3.82	1477.
DEEPEST MEASUREMENT:								
206	5.94	33.92	205	26.73	134.8	4.81	3.99	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-077 DATE 31/05/82
POSITION 51-12.8N, 128-50.5W PST 20:42 STATION CO12
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.00	31.44	0	24.20	372.9	.00	.00	1486.
10	9.64	31.46	10	24.28	365.6	.37	.02	1485.
20	9.58	31.46	20	24.29	364.8	.74	.07	1485.
30	9.40	31.50	30	24.34	359.5	1.10	.17	1484.
50	8.87	31.56	50	24.47	347.6	1.81	.46	1483.
75	7.74	32.48	75	25.36	263.9	2.58	.94	1480.
100	7.33	33.34	99	26.09	194.5	3.16	1.46	1480.
125	6.77	33.80	124	26.52	153.6	3.60	1.96	1479.
DEEPEST MEASUREMENT:								
130	6.68	33.82	129	26.55	151.1	3.67	2.05	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-078 DATE 31/05/82
POSITION 51-10.0N, 128-49.0W PST 21:24 STATION C013
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.27	31.49	0	24.19	373.4	.00	.00	1487.
10	10.04	31.48	10	24.23	370.2	.37	.02	1486.
20	9.52	31.49	20	24.32	362.0	.74	.07	1484.
30	8.83	31.57	30	24.49	345.9	1.09	.16	1482.
50	8.38	31.72	50	24.68	328.3	1.77	.44	1481.
75	7.82	32.33	75	25.23	275.7	2.52	.91	1480.
100	7.30	32.98	99	25.81	221.0	3.13	1.46	1479.
DEEPEST MEASUREMENT:								
104	7.18	33.27	103	26.06	197.8	3.22	1.55	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-079 DATE 31/05/82
POSITION 51- 7.6N, 128-47.7W PST 21:48 STATION C014
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.65	30.74	0	23.55	434.9	.00	.00	1487.
10	10.64	30.75	10	23.56	433.9	.44	.02	1487.
20	9.74	31.40	20	24.21	372.2	.84	.08	1485.
30	9.28	31.49	30	24.35	358.7	1.20	.18	1484.
50	8.64	31.70	50	24.62	333.7	1.89	.46	1482.
75	8.06	32.03	75	24.96	301.3	2.69	.96	1481.
DEEPEST MEASUREMENT:								
89	7.79	32.36	89	25.26	273.4	3.10	1.30	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-080
POSITION 51- 5.0N, 128-46.5W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 31/05/82
PST 22:18

STATION C015

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.93	30.63	0	23.42	447.4	.00	.00	1488.
10	10.82	30.73	10	23.51	438.8	.45	.02	1488.
20	9.72	31.43	20	24.24	369.7	.83	.08	1485.
30	8.95	31.64	30	24.52	342.6	1.19	.17	1483.
50	8.55	31.72	50	24.65	331.1	1.87	.45	1482.

DEEPEST MEASUREMENT:

63	7.76	32.30	63	25.21	277.5	2.27	.67	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-081
POSITION 51- 2.5N, 128-44.6W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 31/05/82
PST 22:54

STATION C016

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.54	30.72	0	23.55	434.9	.00	.00	1487.
10	10.49	30.74	10	23.58	432.3	.43	.02	1487.
20	9.42	31.36	20	24.24	369.9	.83	.08	1484.
30	9.17	31.44	30	24.33	360.6	1.20	.18	1483.
50	8.04	31.74	50	24.74	322.2	1.88	.45	1480.

DEEPEST MEASUREMENT:

69	7.57	32.62	69	25.49	251.1	2.42	.78	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-082 DATE 31/05/82
POSITION 50-59.8N, 128-43.5W PST 23:24 STATION C017
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.62	30.32	0	23.23	465.8	.00	.00	1487.
10	10.57	30.33	10	23.24	464.5	.47	.02	1487.
20	9.05	31.22	20	24.18	375.1	.88	.09	1482.
30	8.66	31.38	30	24.37	357.2	1.25	.18	1481.
50	7.94	31.84	50	24.83	313.7	1.92	.45	1479.

DEEPEST MEASUREMENT:

71	7.55	32.55	71	25.44	255.9	2.52	.82	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-083 DATE 1/06/82
POSITION 50-55.2N, 128-37.6W PST 00:00 STATION C018
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.73	29.86	0	22.86	501.0	.00	.00	1486.
10	10.69	29.87	10	22.87	499.8	.50	.03	1487.
20	10.40	30.20	20	23.17	471.3	1.00	.10	1486.
30	8.45	31.57	30	24.54	340.8	1.38	.20	1481.
50	7.57	32.52	50	25.41	258.2	2.01	.45	1479.

DEEPEST MEASUREMENT:

59	7.52	32.65	59	25.53	247.6	2.23	.58	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-084
POSITION 50-53.3N, 128-24.0W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 1/06/82
PST 00:36

STATION C019

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.94	29.23	0	22.33	551.3	.00	.00	1486.
10	10.53	29.58	10	22.67	519.1	.55	.03	1486.
20	8.85	31.33	20	24.30	363.6	.99	.09	1482.
30	8.52	31.55	30	24.52	343.1	1.34	.18	1481.
50	8.04	31.88	50	24.84	312.2	1.99	.45	1480.

DEEPEST MEASUREMENT:

68	7.31	32.90	68	25.75	226.5	2.48	.73	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-085 DATE 1/06/82
POSITION 50-51.5N, 128-32.3W PST 01:00 STATION C020
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.98	30.08	0	23.15	473.1	.00	.00	1484.
10	9.93	30.12	10	23.19	469.5	.47	.02	1484.
20	8.23	31.59	20	24.59	336.0	.85	.08	1480.
30	8.11	31.81	30	24.78	318.0	1.17	.16	1480.
50	7.32	32.84	50	25.69	231.3	1.72	.38	1478.

DEEPEST MEASUREMENT:

49	7.40	32.72	49	25.59	241.1	1.70	.37	1478.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.98	30.08	25.		8.24	31.73
1.		9.98	30.08	26.		8.24	31.74
2.		9.98	30.08	27.		8.22	31.76
3.		9.98	30.08	28.		8.19	31.77
4.		9.98	30.08	29.		8.14	31.79
5.		10.00	30.06	30.		8.11	31.81
6.		10.07	30.01	31.		8.04	31.85
7.		10.07	30.02	32.		7.99	31.90
8.		10.00	30.07	33.		7.97	31.91
9.		9.94	30.12	34.		7.95	31.93
10.		9.93	30.12	35.		7.92	31.95
11.		9.70	30.32	36.		7.88	31.99
12.		8.82	30.96	37.		7.80	32.10
13.		8.57	31.07	38.		7.76	32.16
14.		8.19	31.27	39.		7.73	32.21
15.		8.23	31.28	40.		7.71	32.24
16.		8.27	31.36	41.		7.69	32.29
17.		8.27	31.46	42.		7.65	32.34
18.		8.26	31.56	43.		7.62	32.38
19.		8.21	31.61	44.		7.59	32.42
20.		8.23	31.59	45.		7.57	32.48
21.		8.20	31.60	46.		7.55	32.50
22.		8.24	31.63	47.		7.51	32.54
23.		8.27	31.67	48.		7.48	32.60
24.		8.27	31.69	49.		7.40	32.72

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-086 DATE 1/06/82
POSITION 50-49.3N, 128-29.5W PST 01:48 STATION C021
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.60	31.50	0	24.32	361.7	.00	.00	1484.
10	8.56	31.68	10	24.62	333.3	.36	.02	1481.
20	7.94	31.93	20	24.90	306.6	.67	.07	1479.
30	7.95	32.05	30	24.99	297.8	.97	.14	1479.
50	7.47	32.69	50	25.56	244.3	1.52	.36	1479.

DEEPEST MEASUREMENT:

50	7.47	32.69	50	25.56	244.3	1.52	.36	1479.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.60	31.50	26.		7.93	31.98
1.		9.60	31.50	27.		7.93	31.99
2.		9.60	31.50	28.		7.91	32.02
3.		9.60	31.50	29.		7.92	32.04
4.		9.60	31.49	30.		7.95	32.05
5.		9.60	31.48	31.		7.93	32.06
6.		9.58	31.49	32.		7.90	32.07
7.		9.40	31.51	33.		7.87	32.09
8.		9.16	31.55	34.		7.83	32.13
9.		8.91	31.61	35.		7.77	32.20
10.		8.56	31.68	36.		7.73	32.27
11.		8.27	31.74	37.		7.73	32.28
12.		8.14	31.80	38.		7.74	32.28
13.		8.07	31.86	39.		7.75	32.29
14.		8.05	31.90	40.		7.75	32.30
15.		8.06	31.90	41.		7.75	32.31
16.		8.03	31.91	42.		7.75	32.33
17.		8.01	31.91	43.		7.75	32.34
18.		7.98	31.90	44.		7.71	32.41
19.		7.94	31.92	45.		7.64	32.49
20.		7.94	31.93	46.		7.60	32.53
21.		7.95	31.94	47.		7.59	32.54
22.		7.95	31.95	48.		7.52	32.63
23.		7.95	31.96	49.		7.51	32.63
24.		7.96	31.96	50.		7.47	32.69
25.		7.95	31.97				

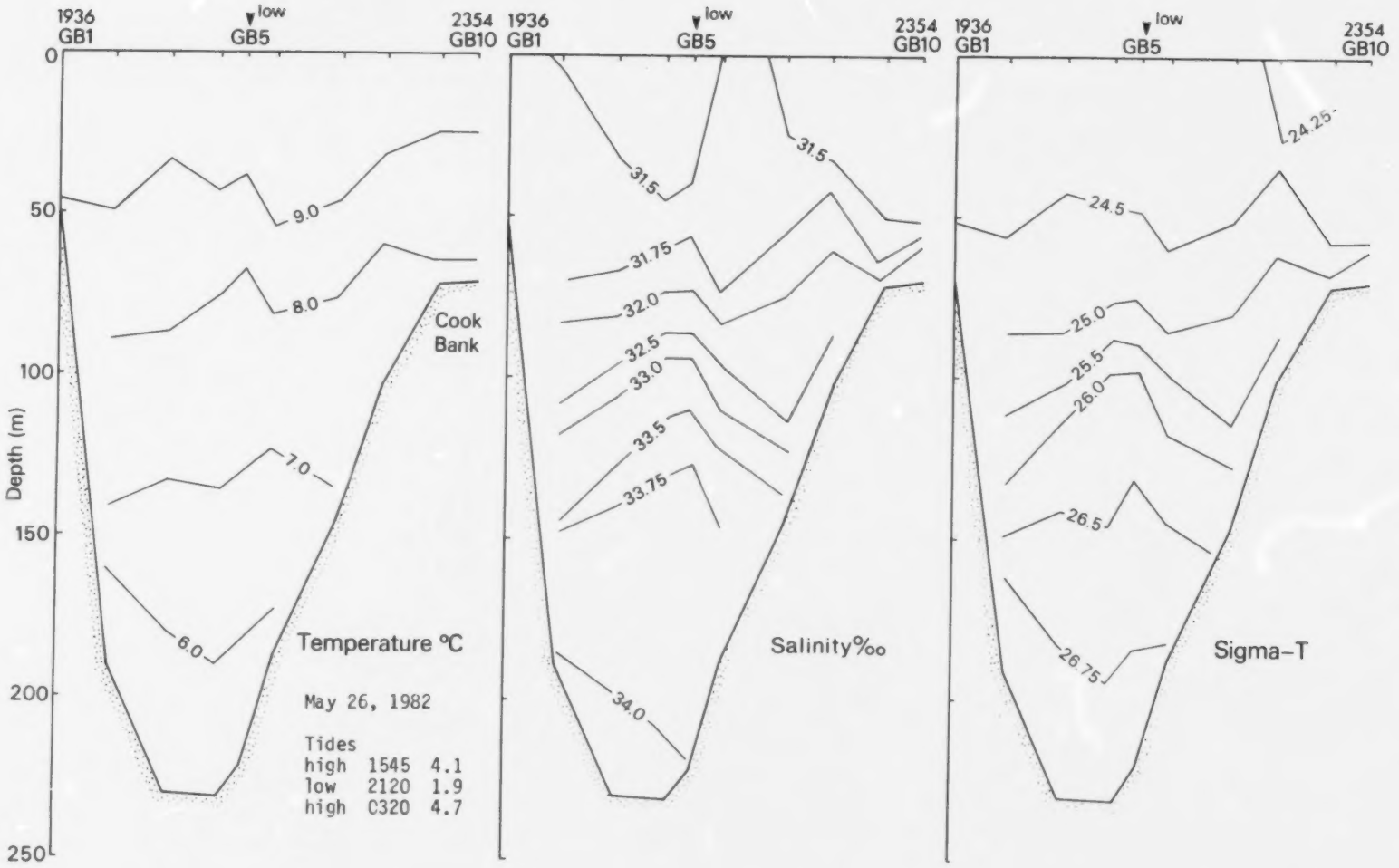
HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-01-087 DATE 1/06/82
POSITION 50-48.1N, 128-27.5W PST 02:12 STATION C022
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

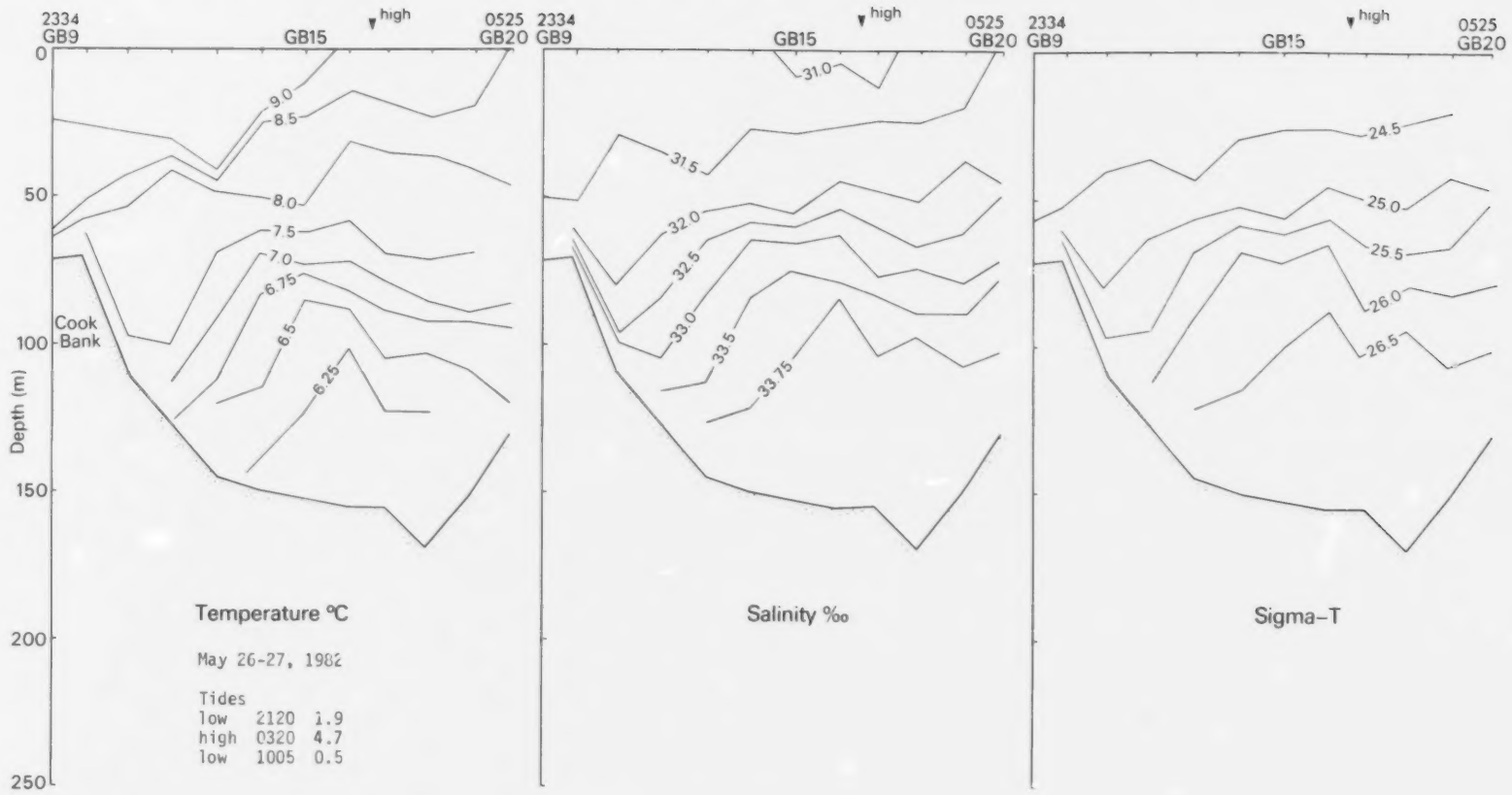
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	9.21	31.97	0	24.74	321.1	.00	.00	1484.
10	9.05	32.03	10	24.81	314.5	.32	.02	1483.
20	8.33	32.42	20	25.23	275.2	.62	.06	1481.
30	7.62	32.70	30	25.55	245.2	.88	.13	1479.
50	7.32	32.98	50	25.81	220.4	1.34	.31	1478.

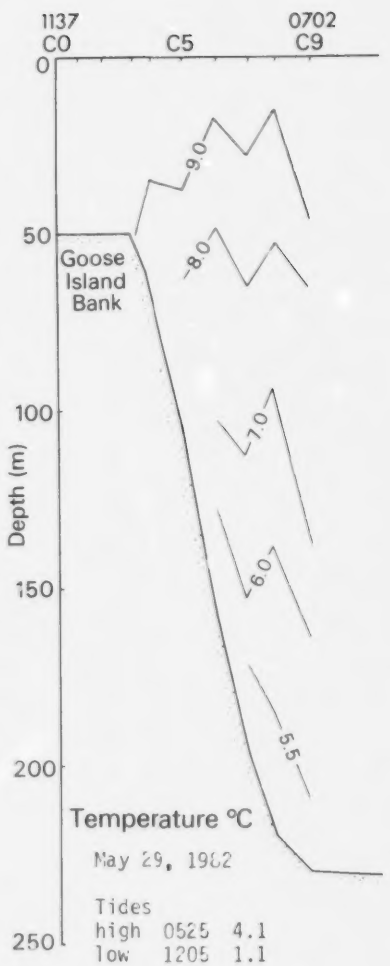
DEEPEST MEASUREMENT:

48	7.34	32.96	48	25.79	222.1	1.30	.29	1478.

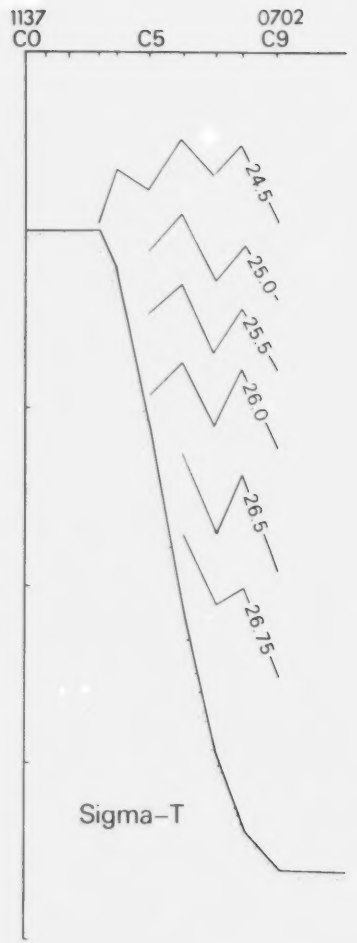
PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		9.21	31.97	25.		7.96	32.53
1.		9.21	31.97	26.		7.92	32.55
2.		9.21	31.97	27.		7.80	32.60
3.		9.21	31.99	28.		7.72	32.65
4.		9.16	32.00	29.		7.66	32.68
5.		9.15	32.00	30.		7.62	32.70
6.		9.13	31.99	31.		7.58	32.72
7.		9.13	31.99	32.		7.57	32.74
8.		9.10	32.00	33.		7.54	32.75
9.		9.06	32.02	34.		7.53	32.77
10.		9.05	32.03	35.		7.53	32.77
11.		9.04	32.05	36.		7.53	32.77
12.		9.04	32.05	37.		7.53	32.77
13.		9.03	32.05	38.		7.51	32.79
14.		9.01	32.07	39.		7.49	32.81
15.		8.97	32.14	40.		7.48	32.82
16.		8.69	32.20	41.		7.47	32.82
17.		8.56	32.27	42.		7.46	32.83
18.		8.53	32.36	43.		7.43	32.86
19.		8.44	32.37	44.		7.41	32.86
20.		8.33	32.42	45.		7.40	32.87
21.		8.27	32.45	46.		7.37	32.92
22.		8.09	32.51	47.		7.35	32.95
23.		8.02	32.53	48.		7.34	32.96
24.		7.98	32.53				

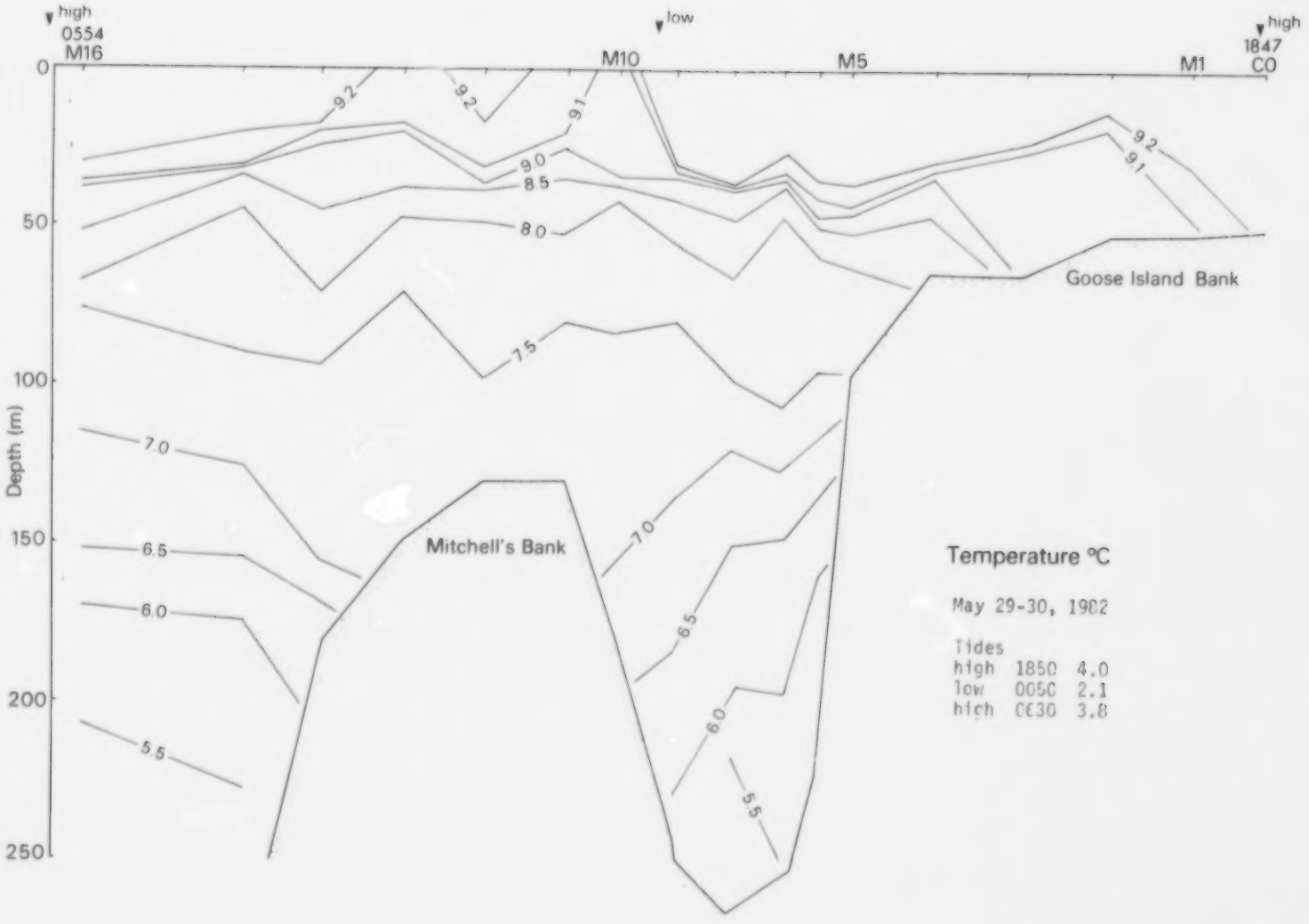

1936
GB1
low
GB5
2354
GB10
0
50
100
150
200
250
Depth (m)
9.0
8.0
7.0
6.0
Cook
Bank
Temperature °C
May 26, 1982
Tides
high 1545 4.1
low 2120 1.9
high 0320 4.7
31.5
31.75
32.0
32.5
33.0
33.5
33.75
34.0
Salinity‰
24.25
24.5
25.0
25.5
26.0
26.5
26.75
Sigma-T

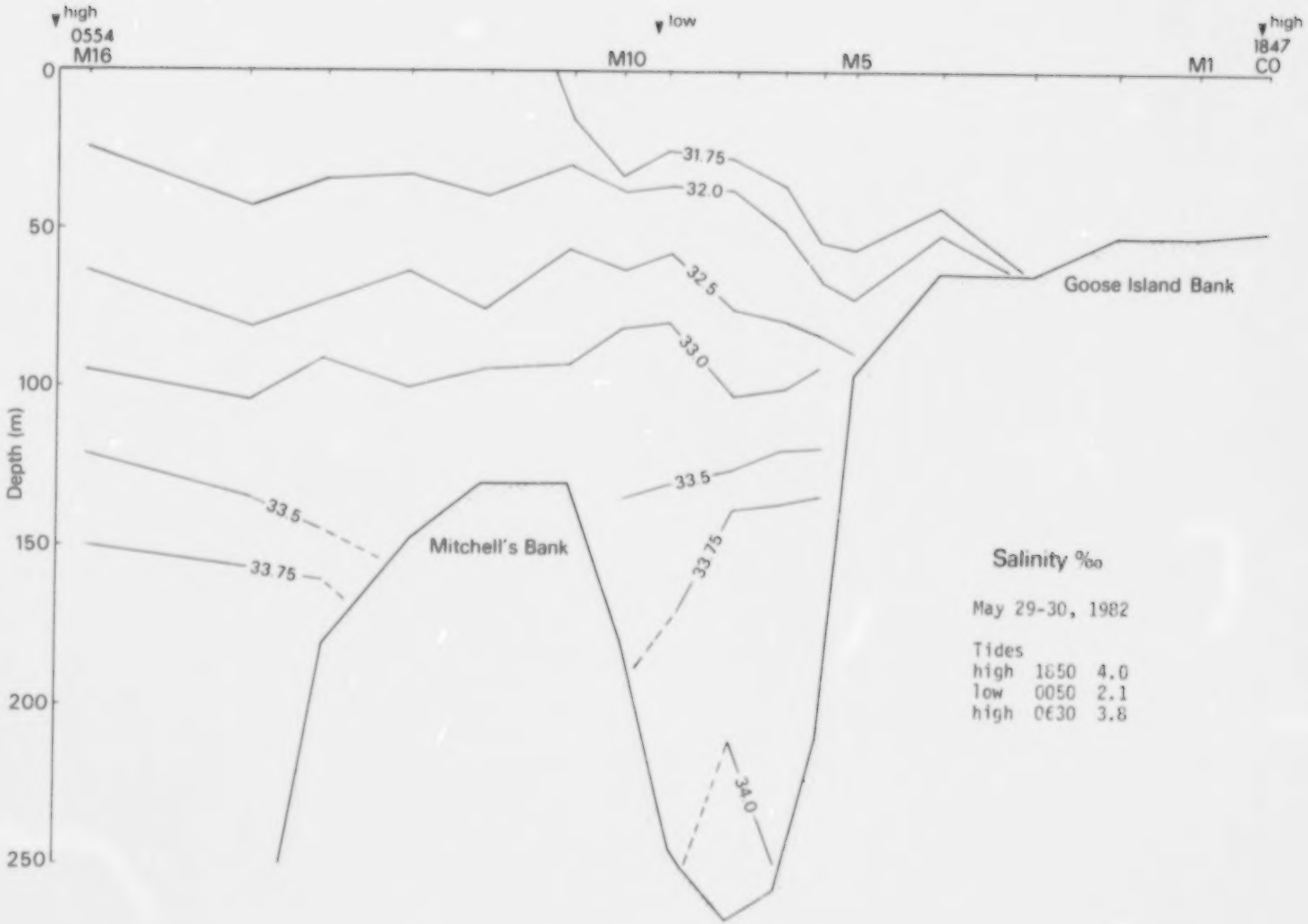

2334
GB9
GB15
high
0525
GB20
0
50
100
150
200
250
Depth (m)
Cook
Bank
9.0
8.5
8.0
7.5
7.0
6.75
6.5
6.25
Temperature °C
May 26-27, 1982
Tides
low 2120 1.9
high 0320 4.7
low 1005 0.5
31.0
31.5
32.0
32.5
33.0
33.5
33.75
Salinity ‰
24.5
25.0
25.5
26.0
26.5
Sigma-T

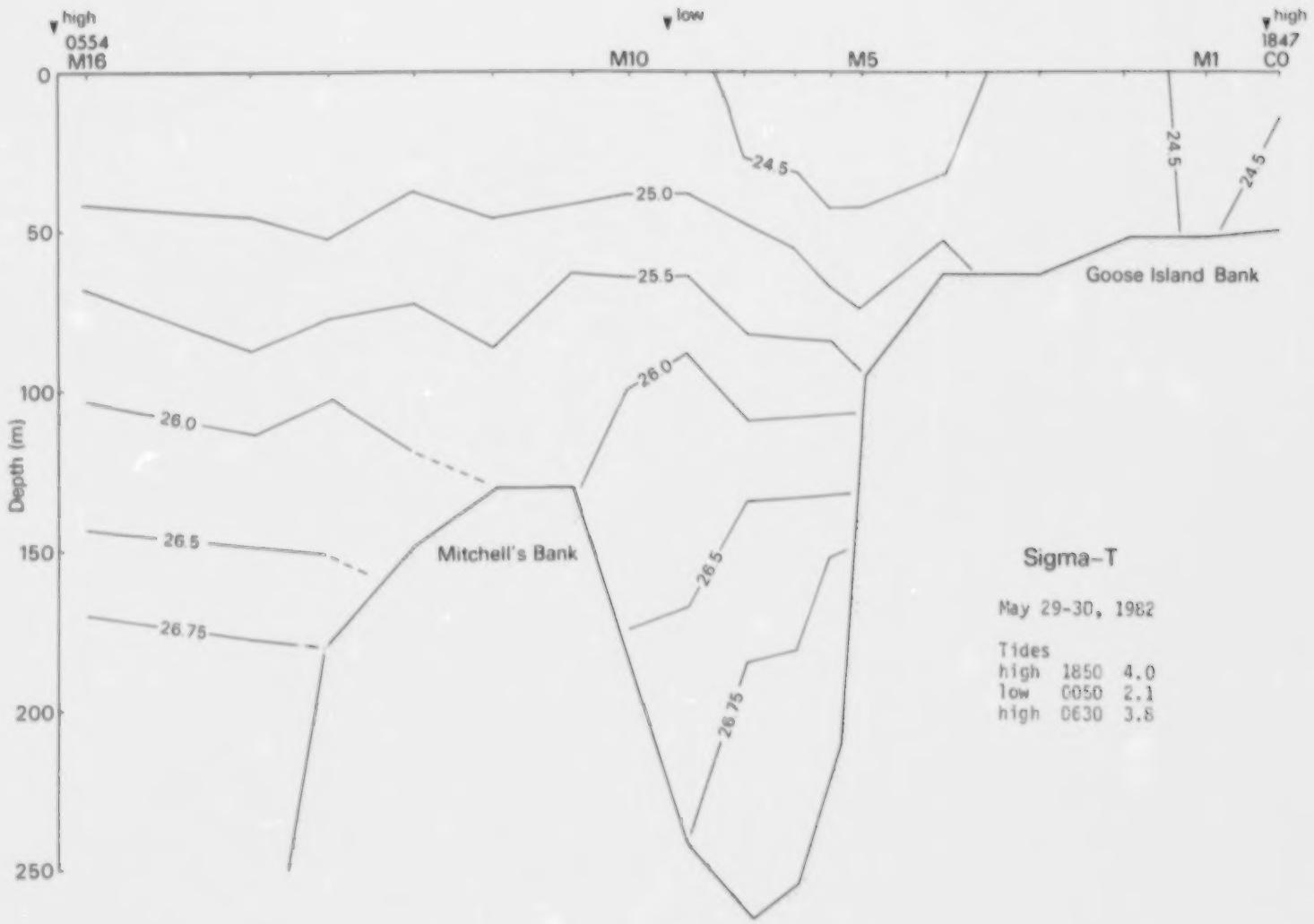

1137
C0
C5
0702
C9
0
50
100
150
200
250
Depth (m)
Goose
Island
Bank
9.0
8.0
7.0
6.0
5.5
Temperature °C
May 29, 1982
Tides
high 0525 4.1
low 1205 1.1

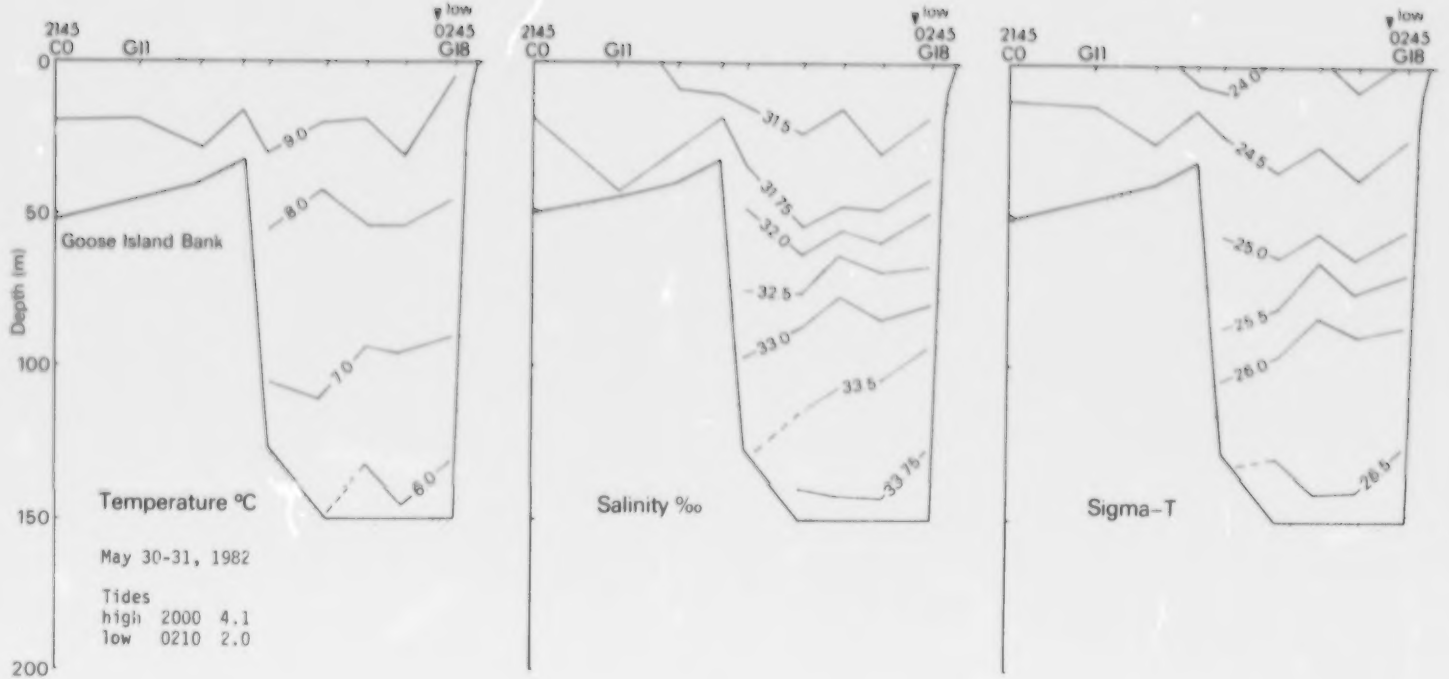
1137
C0
C5
0702
C9
31.5
32.0
32.5
33.0
33.5
34.0
Salinity ‰

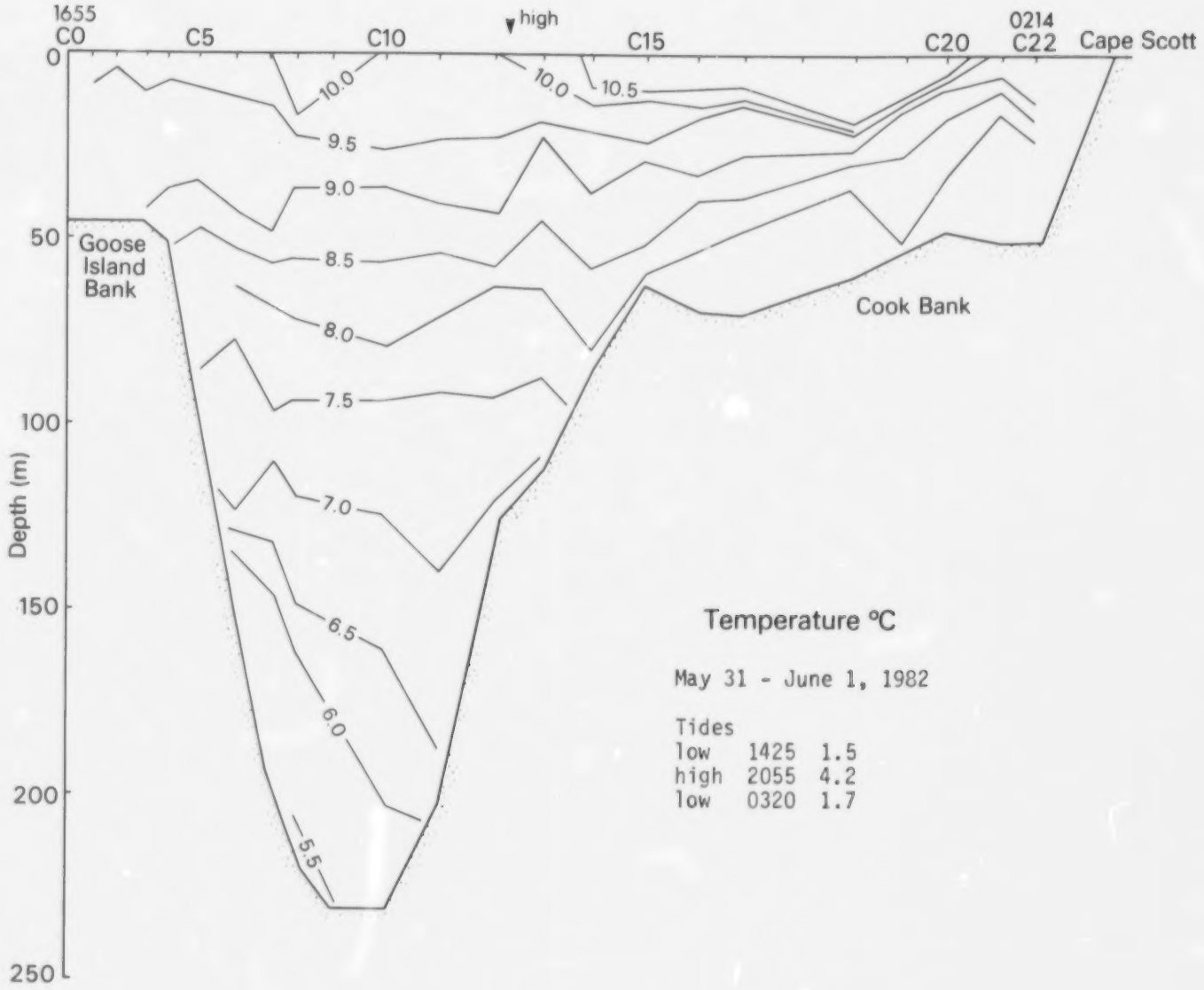

1137
C0
C5
0702
C9
24.5
25.0
25.5
26.0
26.5
26.75
Sigma–T

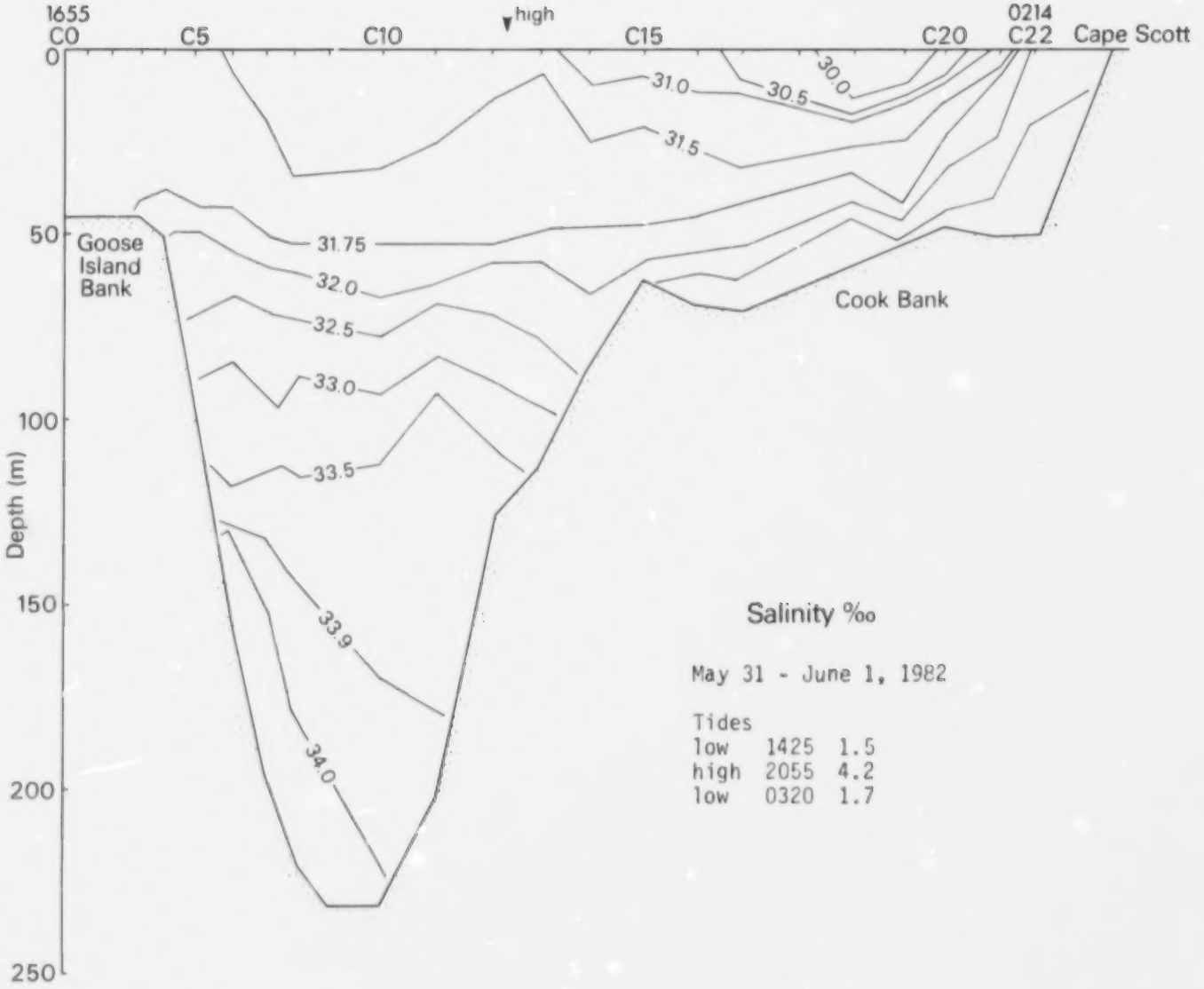

high
0554
M16
low
M10
high
1847
M5
M1
CO
0
50
100
150
200
250
Depth (m)
9.2
9.2
9.1
9.0
8.5
8.0
9.2
9.1
7.5
7.0
6.5
6.0
5.5
Mitchell's Bank
Goose Island Bank
7.0
6.5
6.0
5.5
Temperature °C
May 29-30, 1982
Tides
high 1850 4.0
low 0050 2.1
high 0630 3.8

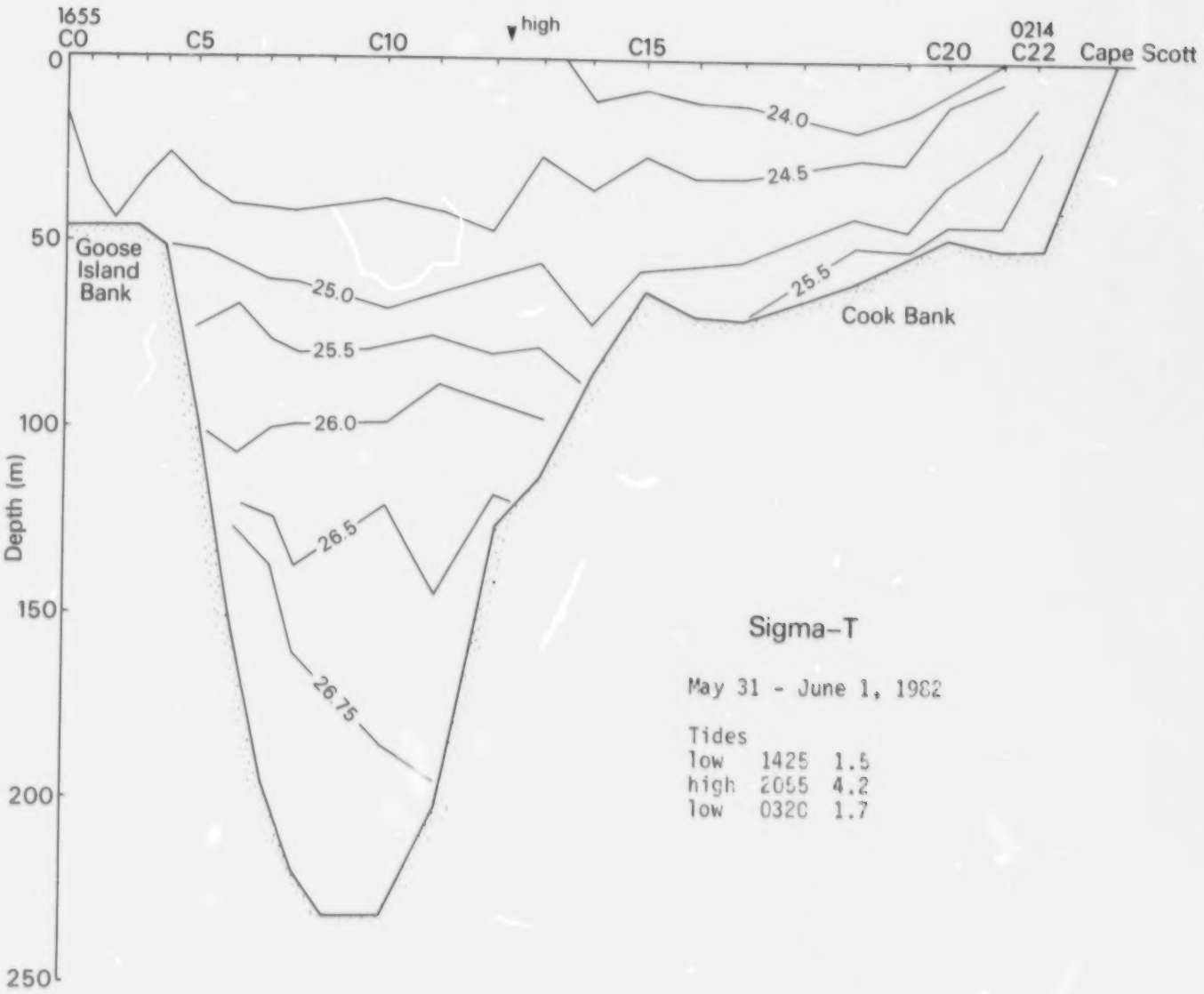

high
0554
M16
low
M10
M5
M1
high
1847
CO
0
50
100
150
200
250
Depth (m)
31.75
32.0
32.5
33.0
33.5
33.75
34.0
Goose Island Bank
Mitchell's Bank
Salinity ‰
May 29-30, 1982
Tides
high 1650 4.0
low 0050 2.1
high 0630 3.8


high
0554
M16
low
M10
M5
M1
high
1847
CO
0
50
100
150
200
250
Depth (m)
24.5
25.0
25.5
26.0
26.5
26.75
Mitchell's Bank
Goose Island Bank
Sigma-T
May 29-30, 1982
Tides
high 1850 4.0
low 0050 2.1
high 0630 3.8


2145
C0
G11
low
0245
G18
0
50
100
150
200
Depth (m)
Goose Island Bank
9.0
8.0
7.0
6.0
Temperature °C
May 30-31, 1982
Tides
high 2000 4.1
low 0210 2.0
31.5
31.75
32.0
32.5
33.0
33.5
33.75
Salinity ‰
24.0
24.5
25.0
25.5
26.0
26.5
Sigma-T


1655
C0
C5
C10
high
C15
C20
0214
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
10.0
10.0
10.5
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
Goose Island Bank
Cook Bank
Temperature °C
May 31 - June 1, 1982
Tides
low 1425 1.5
high 2055 4.2
low 0320 1.7


1655
C0
C5
C10
high
C15
C20
0214
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
30.0
30.5
31.0
31.5
31.75
32.0
32.5
33.0
33.5
33.9
34.0
Goose Island Bank
Cook Bank
Salinity ‰
May 31 - June 1, 1982
Tides
low 1425 1.5
high 2055 4.2
low 0320 1.7


1655
C0
C5
C10
high
C15
C20
0214
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
Goose Island Bank
Cook Bank
24.0
24.5
25.0
25.5
25.5
26.0
26.5
26.75
Sigma-T
May 31 - June 1, 1982
Tides
low 1425 1.5
high 2055 4.2
low 0320 1.7

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-003 DATE 18/09/82
POSITION 52- 6.5N, 130-38.5W PST 11:24 STATION Q009
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.47	31.70	0	23.77	413.6	.00	.00	1498.
10	13.46	31.74	10	23.80	411.1	.41	.02	1499.
20	13.48	31.77	20	23.82	409.3	.82	.08	1499.
30	12.32	31.87	30	24.13	380.6	1.22	.18	1495.
50	11.82	31.90	50	24.24	369.7	1.96	.49	1494.
75	9.83	32.26	75	24.86	311.1	2.83	1.03	1487.
100	7.66	32.97	99	25.75	226.8	3.47	1.60	1481.
125	6.50	33.45	124	26.29	176.0	3.98	2.18	1477.
150	6.20	33.76	149	26.57	149.1	4.38	2.75	1477.
175	5.89	33.86	174	26.69	138.5	4.74	3.34	1476.
200	5.83	33.89	199	26.72	135.4	5.08	3.99	1476.

DEEPEST MEASUREMENT:

204	5.82	33.89	203	26.72	135.4	5.14	4.10	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-006 DATE 18/09/82
POSITION 51-57.3N, 130-55.3W PST 18:06 STATION M018
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.85	31.83	0	23.99	392.8	.00	.00	1496.
10	12.65	31.86	10	24.06	386.9	.39	.02	1496.
20	12.46	31.89	20	24.12	381.0	.78	.08	1495.
30	12.25	31.93	30	24.18	375.3	1.16	.18	1495.
50	11.18	32.16	50	24.56	339.6	1.88	.47	1492.
75	10.11	32.36	75	24.90	307.5	2.69	.98	1489.
100	8.87	32.66	99	25.33	267.1	3.43	1.64	1485.
125	7.01	33.33	124	26.13	191.4	4.00	2.28	1479.

DEEPEST MEASUREMENT:

124	7.01	33.35	123	26.14	190.1	3.98	2.26	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-007 DATE 18/09/82
POSITION 51-57.3N, 130-50.3W PST 18:18 STATION M017
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.69	31.64	0	23.68	422.2	.00	.00	1499.
10	13.50	31.69	10	23.76	415.3	.42	.02	1499.
20	13.00	31.74	20	23.90	402.4	.83	.08	1497.
30	12.67	31.82	30	24.02	390.6	1.23	.19	1496.
50	11.81	32.02	50	24.34	360.7	1.98	.49	1494.
75	8.74	32.57	75	25.28	271.0	2.79	1.00	1484.
100	7.03	33.38	99	26.16	187.6	3.34	1.48	1479.
125	6.57	33.60	124	26.39	165.9	3.77	1.99	1478.
150	6.03	33.83	149	26.64	142.4	4.16	2.53	1476.
175	5.78	33.89	174	26.73	134.4	4.50	3.09	1476.

DEEPEST MEASUREMENT:

186	5.74	33.92	185	26.75	132.3	4.65	3.36	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-008 DATE 18/09/82
POSITION 51-57.3N, 130-35.0W PST 19:24 STATION M016
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.61	31.57	0	23.65	425.5	.00	.00	1499.
10	13.60	31.50	10	23.59	431.5	.43	.02	1499.
20	13.48	31.53	20	23.64	427.0	.86	.09	1498.
30	12.03	31.77	30	24.10	382.6	1.27	.19	1494.
50	9.04	32.43	50	25.12	285.9	1.93	.46	1484.
75	7.68	32.93	75	25.72	229.2	2.56	.86	1480.
100	6.97	33.36	99	26.16	187.9	3.09	1.32	1478.
125	6.47	33.64	124	26.44	161.5	3.52	1.82	1477.
150	6.22	33.82	149	26.61	145.2	3.91	2.37	1477.
175	6.04	33.88	174	26.69	138.5	4.27	2.96	1477.
200	5.98	33.86	199	26.68	139.7	4.62	3.62	1477.
225	5.76	33.93	223	26.76	132.5	4.95	4.35	1476.
250	5.68	33.96	248	26.79	129.6	5.28	5.15	1476.
300	5.46	33.97	298	26.83	126.3	5.93	6.96	1476.

DEEPEST MEASUREMENT:

321	5.33	33.96	319	26.83	126.3	6.20	7.80	1476.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-009 DATE 18/09/82
POSITION 51-57.4N, 130-18.2W PST 20:00 STATION M015
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.64	31.62	0	23.68	422.4	.00	.00	1499.
10	13.64	31.55	10	23.62	428.5	.42	.02	1499.
20	13.64	31.53	20	23.61	430.0	.85	.09	1499.
30	13.55	31.52	30	23.62	429.0	1.28	.20	1499.
50	12.78	31.64	50	23.86	406.7	2.13	.54	1497.
75	10.06	32.08	75	24.69	327.5	3.04	1.12	1488.
100	8.37	32.55	99	25.32	267.4	3.78	1.77	1483.
125	6.95	33.33	124	26.14	190.3	4.34	2.41	1479.
150	6.52	33.64	149	26.43	162.6	4.79	3.03	1478.
175	6.32	33.78	174	26.57	149.7	5.17	3.67	1478.
200	6.08	33.84	199	26.65	142.4	5.54	4.38	1477.
225	5.86	33.92	224	26.74	134.4	5.88	5.12	1477.
250	5.79	33.93	248	26.76	133.0	6.22	5.93	1477.

DEEPEST MEASUREMENT:

284	5.65	33.95	282	26.79	130.3	6.67	7.15	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-010 DATE 18/09/82
POSITION 51-57.3N, 130-10.3W PST 21:12 STATION M014
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.80	31.49	0	23.74	416.6	.00	.00	1496.
10	12.79	31.51	10	23.76	415.4	.42	.02	1496.
20	12.72	31.48	20	23.75	416.3	.83	.08	1496.
30	12.65	31.48	30	23.76	415.2	1.25	.19	1496.
50	10.95	31.87	50	24.37	357.5	2.00	.49	1491.
75	8.40	32.52	75	25.29	270.2	2.76	.98	1482.
100	7.40	33.02	99	25.83	219.2	3.37	1.51	1480.
125	6.84	33.44	124	26.23	181.0	3.88	2.10	1478.
150	6.29	33.71	149	26.52	154.0	4.29	2.68	1477.

DEEPEST MEASUREMENT:

163	6.16	33.77	162	26.59	148.1	4.49	2.99	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-011 DATE 18/09/82
POSITION 51-57.3N, 130- 2.3W PST 21:54 STATION M013
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.96	31.02	0	23.35	453.8	.00	.00	1496.
10	12.79	31.33	10	23.62	428.5	.45	.02	1496.
20	12.72	31.47	20	23.74	417.0	.87	.09	1496.
30	11.16	31.97	30	24.41	353.3	1.27	.19	1491.
50	8.35	32.57	50	25.34	265.2	1.87	.43	1482.
75	7.49	32.97	75	25.78	223.6	2.48	.82	1480.
100	6.83	33.36	99	26.17	186.7	3.00	1.27	1478.
125	6.53	33.55	124	26.36	168.9	3.42	1.76	1477.

DEEPEST MEASUREMENT:

132	6.53	33.57	131	26.38	167.6	3.54	1.92	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-015 DATE 19/09/82
POSITION 51-44.4N, 128-20.4W PST 11:30 STATION GI07
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.15	28.20	0	21.50	631.3	.00	.00	1486.
10	10.82	29.26	10	22.37	547.5	.61	.03	1486.
20	10.35	31.36	20	24.08	384.9	1.04	.09	1487.
30	10.50	31.74	30	24.35	359.4	1.41	.19	1489.
50	9.74	32.25	50	24.87	309.6	2.09	.47	1487.
75	7.93	32.72	75	25.52	248.0	2.78	.90	1481.
100	7.05	33.34	99	26.13	190.5	3.33	1.39	1479.
125	6.76	33.66	124	26.42	163.2	3.76	1.88	1478.

DEEPEST MEASUREMENT:

132	6.65	33.75	131	26.50	155.5	3.87	2.03	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-016 DATE 19/09/82
POSITION 51-43.4N, 128-24.2W PST 12:12 STATION GI06
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	25.37	0	19.05	866.4	.00	.00	1488.
10	12.57	31.69	10	23.94	397.8	.74	.03	1495.
20	12.30	31.88	20	24.14	378.9	1.12	.09	1495.
30	10.47	32.14	30	24.67	328.7	1.47	.18	1489.
50	9.32	32.52	50	25.15	283.0	2.09	.43	1486.
75	7.69	32.90	75	25.69	232.1	2.73	.84	1480.
100	7.03	33.37	99	26.15	188.3	3.25	1.30	1479.
125	6.85	33.60	124	26.36	168.9	3.70	1.81	1479.

DEEPEST MEASUREMENT:

139	6.69	33.73	138	26.49	157.3	3.93	2.11	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-017 DATE 19/09/82
POSITION 51-42.4N, 128-28.2W PST 12:36 STATION GI05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.24	28.12	0	21.06	672.7	.00	.00	1493.
10	12.40	31.54	10	23.86	405.9	.55	.03	1495.
20	10.12	32.10	20	24.69	326.5	.92	.08	1487.
30	9.62	32.22	30	24.87	309.5	1.23	.16	1486.
50	8.72	32.50	50	25.23	275.8	1.81	.40	1483.
75	7.89	32.94	75	25.70	231.2	2.44	.79	1481.
100	7.50	33.24	99	25.99	204.3	2.97	1.27	1480.
125	6.84	33.62	124	26.38	167.5	3.45	1.81	1479.

DEEPEST MEASUREMENT:

135	6.69	33.72	134	26.48	158.2	3.61	2.02	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-018 DATE 19/09/82
POSITION 51-41.0N, 128-34.0W PST 13:18 STATION GI04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.17	23.73	0	17.70	996.1	.00	.00	1488.
10	12.27	31.56	10	23.90	401.7	.60	.03	1494.
20	10.75	32.09	20	24.58	337.0	.96	.08	1490.
30	10.11	32.29	30	24.84	312.1	1.28	.16	1488.
50	8.85	32.43	50	25.16	282.4	1.87	.40	1484.
75	7.96	32.94	75	25.69	232.2	2.52	.81	1481.
100	7.12	33.27	99	26.07	196.8	3.05	1.29	1479.
DEEPEST MEASUREMENT:								
117	6.80	33.50	116	26.29	175.9	3.37	1.64	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-019
POSITION 51-40.3N, 128-36.4W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 19/09/82
PST 14:00 STATION GI03

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.96	27.31	0	20.49	727.8	.00	.00	1491.
10	12.08	31.92	10	24.21	372.4	.57	.03	1494.
20	10.29	32.17	20	24.72	323.6	.92	.08	1488.
30	9.51	32.51	30	25.12	286.1	1.23	.16	1486.

DEEPEST MEASUREMENT:

41	8.27	32.78	41	25.52	248.1	1.52	.26	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.96	27.31	23.		10.11	32.26
1.		12.96	27.36	24.		9.98	32.28
2.		12.95	27.42	25.		9.95	32.32
3.		12.92	28.12	26.		9.88	32.37
4.		12.89	28.65	27.		9.87	32.38
5.		12.86	28.88	28.		9.84	32.41
6.		12.83	29.66	29.		9.74	32.45
7.		12.72	30.80	30.		9.51	32.51
8.		12.57	31.59	31.		9.33	32.58
9.		12.41	31.83	32.		9.07	32.66
10.		12.08	31.92	33.		8.77	32.70
11.		12.05	31.93	34.		8.62	32.73
12.		11.96	31.94	35.		8.58	32.72
13.		11.85	31.96	36.		8.56	32.75
15.		11.55	32.07	37.		8.55	32.73
16.		11.35	32.12	38.		8.52	32.71
18.		10.72	32.13	39.		8.47	32.72
19.		10.43	32.16	40.		8.27	32.75
20.		10.29	32.17	41.		8.27	32.78
21.		10.17	32.27				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-020 DATE 19/09/82
POSITION 51-39.1N, 128-40.4W PST 15:18 STATION GI02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.22	29.74	0	22.32	552.8	.00	.00	1495.
10	12.87	31.49	10	23.73	417.9	.48	.02	1496.
20	10.39	32.16	20	24.70	326.0	.87	.08	1489.
30	10.06	32.24	30	24.81	315.0	1.19	.16	1488.

DEEPEST MEASUREMENT:

31	10.06	32.24	31	24.81	314.9	1.22	.17	1488.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.22	29.74	16.		12.19	31.61
1.		13.22	29.96	17.		12.17	31.62
2.		13.19	30.18	18.		12.14	31.64
3.		13.17	30.51	19.		11.10	32.09
4.		13.15	30.82	20.		10.39	32.16
5.		13.17	30.87	21.		10.32	32.23
6.		13.17	30.97	22.		10.23	32.24
7.		13.15	31.07	23.		10.13	32.25
8.		13.10	31.20	24.		10.12	32.26
9.		13.03	31.37	25.		10.11	32.24
10.		12.87	31.49	26.		10.09	32.26
11.		12.76	31.52	27.		10.08	32.25
12.		12.67	31.52	28.		10.06	32.25
13.		12.57	31.54	29.		10.06	32.24
14.		12.47	31.56	30.		10.06	32.24
15.		12.34	31.59	31.		10.06	32.24

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-021 DATE 19/09/82
POSITION 51-37.3N, 128-46.4W PST 16:06 STATION GI01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.76	31.20	0	23.52	437.5	.00	.00	1495.
10	12.02	31.67	10	24.03	389.2	.43	.02	1494.
20	10.34	32.15	20	24.69	326.5	.79	.08	1488.
30	10.20	32.21	30	24.76	319.6	1.11	.16	1488.

DEEPEST MEASUREMENT:

31	10.20	32.21	31	24.76	319.7	1.14	.17	1488.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.76	31.20	17.		11.16	31.96
1.		12.76	31.20	18.		10.87	32.03
2.		12.78	31.18	19.		10.52	32.10
3.		12.78	31.18	20.		10.36	32.15
4.		12.74	31.24	21.		10.30	32.18
6.		12.65	31.34	22.		10.27	32.18
7.		12.61	31.40	23.		10.26	32.20
8.		12.59	31.42	24.		10.21	32.21
9.		12.16	31.59	25.		10.19	32.21
10.		12.02	31.67	26.		10.20	32.21
11.		12.00	31.68	27.		10.19	32.22
12.		11.95	31.71	28.		10.20	32.22
13.		11.92	31.72	29.		10.20	32.21
14.		11.68	31.79	30.		10.20	32.21
15.		11.64	31.83	31.		10.20	32.21
16.		11.37	31.92				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-022 DATE 19/09/82
POSITION 51-35.3N, 128-54.4W PST 16:36 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.83	30.58	0	23.04	484.0	.00	.00	1495.
10	12.55	30.81	10	23.26	462.3	.48	.02	1494.
20	10.31	32.17	20	24.72	323.7	.86	.08	1488.
30	9.99	32.23	30	24.81	314.9	1.18	.16	1487.

DEEPEST MEASUREMENT:

33	9.98	32.19	33	24.79	317.5	1.28	.19	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.83	30.58	18.		10.59	32.09
1.		12.83	30.58	19.		10.43	32.14
2.		12.83	30.59	20.		10.31	32.17
3.		12.83	30.57	21.		10.22	32.17
4.		12.83	30.59	22.		10.18	32.17
6.		12.80	30.59	23.		10.13	32.20
7.		12.79	30.60	24.		10.10	32.20
8.		12.79	30.59	25.		10.07	32.20
9.		12.67	30.70	26.		10.03	32.21
10.		12.55	30.81	28.		10.02	32.20
11.		12.29	31.07	29.		10.00	32.22
13.		12.11	31.35	30.		9.99	32.23
14.		11.99	31.52	31.		9.98	32.22
15.		11.89	31.57	32.		9.99	32.21
16.		10.71	31.81	33.		9.98	32.19
17.		10.66	32.05				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-023 DATE 19/09/82
POSITION 51-34.0N, 128-54.4W PST 17:06 STATION C001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.91	30.47	0	22.94	493.5	.00	.00	1495.
10	12.80	30.61	10	23.07	481.3	.49	.02	1495.
20	11.16	31.86	20	24.33	360.8	.91	.09	1491.
30	10.21	32.15	30	24.72	323.9	1.24	.17	1488.

DEEPEST MEASUREMENT:

35	9.84	32.27	35	24.87	309.5	1.40	.22	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.91	30.47	19.		11.47	31.78
1.		12.91	30.47	20.		11.16	31.86
2.		12.91	30.48	21.		10.66	32.03
3.		12.92	30.49	22.		10.47	32.08
4.		12.92	30.48	23.		10.40	32.12
5.		12.91	30.49	24.		10.32	32.11
6.		12.90	30.49	25.		10.27	32.12
7.		12.89	30.51	26.		10.24	32.15
9.		12.83	30.60	27.		10.23	32.15
11.		12.78	30.63	28.		10.22	32.15
12.		12.66	30.72	29.		10.20	32.15
13.		12.44	30.86	30.		10.21	32.15
14.		12.06	31.38	31.		10.19	32.15
15.		11.94	31.52	32.		10.18	32.17
16.		11.90	31.60	33.		10.10	32.20
17.		11.87	31.60	34.		9.95	32.25
18.		11.78	31.65	35.		9.84	32.27

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-024 DATE 19/09/82
POSITION 51-32.4N, 128-54.4W PST 17:24 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.92	30.31	0	22.81	505.4	.00	.00	1495.
10	12.92	30.20	10	22.72	514.0	.51	.03	1495.
20	11.76	31.64	20	24.05	387.6	.97	.10	1493.
30	10.00	32.24	30	24.83	313.8	1.31	.18	1487.

DEEPEST MEASUREMENT:

36	9.59	32.33	36	24.96	300.9	1.50	.24	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.92	30.31	18.		11.94	31.48
1.		12.92	30.31	19.		11.85	31.48
2.		12.92	30.30	20.		11.76	31.64
3.		12.92	30.21	21.		11.71	31.70
4.		12.93	30.19	23.		11.17	31.92
5.		12.94	30.20	24.		10.59	32.09
6.		12.92	30.22	25.		10.33	32.11
7.		12.92	30.20	26.		10.27	32.14
8.		12.94	30.18	27.		10.19	32.17
9.		12.93	30.20	28.		10.14	32.20
10.		12.92	30.20	29.		10.08	32.26
11.		12.91	30.22	30.		10.00	32.24
12.		12.89	30.25	31.		9.91	32.27
13.		12.83	30.30	32.		9.81	32.29
14.		12.76	30.35	33.		9.77	32.29
15.		12.61	30.55	34.		9.72	32.30
16.		12.17	30.96	35.		9.63	32.32
17.		11.96	31.32	36.		9.59	32.33

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-025 DATE 19/09/82
POSITION 51-31.1N, 128-54.4W PST 17:30 STATION C003
RESULTS OF STD CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.09	29.79	0	22.37	547.3	.00	.00	1495.
10	12.79	30.30	10	22.82	504.4	.53	.03	1494.
20	11.78	31.56	20	23.99	393.7	.96	.09	1493.
30	10.59	32.01	30	24.54	340.7	1.33	.18	1489.

DEEPEST MEASUREMENT:

35	9.71	32.28	35	24.90	306.4	1.49	.24	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.09	29.79	17.		11.87	31.46
1.		13.09	29.82	18.		11.78	31.52
2.		13.05	29.85	19.		11.78	31.54
3.		13.05	29.85	20.		11.78	31.56
4.		13.06	29.87	21.		11.74	31.65
5.		13.03	29.88	22.		11.70	31.72
6.		13.01	29.89	23.		11.53	31.76
7.		12.98	29.95	24.		11.44	31.75
8.		12.94	30.02	26.		11.40	31.77
9.		12.88	30.20	27.		11.23	31.84
10.		12.79	30.30	28.		11.06	31.86
11.		12.45	30.63	30.		10.59	32.01
12.		12.30	30.97	31.		9.95	32.22
13.		12.21	31.20	32.		9.88	32.24
14.		12.04	31.36	33.		9.83	32.25
15.		12.00	31.39	34.		9.75	32.29
16.		11.92	31.43	35.		9.71	32.28

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-026 DATE 19/09/82
POSITION 51-30.0N, 128-54.4W PST 17:48 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.59	30.23	0	22.81	505.9	.00	.00	1494.
10	11.92	31.59	10	23.99	393.6	.46	.02	1493.
20	11.75	31.74	20	24.13	379.6	.85	.08	1493.
30	10.88	31.95	30	24.45	349.6	1.22	.18	1490.

DEEPEST MEASUREMENT:

42	9.22	32.41	42	25.08	289.4	1.60	.31	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.59	30.23	20.		11.75	31.74
1.		12.59	30.26	22.		11.75	31.76
2.		12.58	30.28	23.		11.70	31.77
3.		12.50	30.51	24.		11.67	31.76
4.		12.46	30.57	26.		11.42	31.80
5.		12.40	30.67	28.		11.05	31.88
6.		12.36	30.85	29.		10.95	31.93
7.		12.32	30.95	30.		10.88	31.95
8.		12.14	31.21	31.		10.86	31.98
9.		11.98	31.44	32.		10.77	32.00
10.		11.92	31.59	33.		10.65	32.00
11.		11.95	31.66	34.		10.54	32.04
12.		11.95	31.66	35.		10.41	32.04
13.		11.92	31.68	36.		10.37	32.06
14.		11.93	31.69	37.		10.32	32.09
15.		11.95	31.70	38.		10.30	32.13
16.		11.99	31.70	39.		10.08	32.18
17.		11.99	31.71	40.		9.74	32.34
18.		11.84	31.73	41.		9.39	32.43
19.		11.78	31.74	42.		9.22	32.41

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-027 DATE 19/09/82
POSITION 51-28.0N, 128-54.4W PST 18:06 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.25	28.56	0	21.40	640.6	.00	.00	1494.
10	12.75	31.72	10	23.92	399.4	.51	.02	1496.
20	11.15	31.94	20	24.39	354.9	.88	.08	1491.
30	10.41	32.10	30	24.65	330.7	1.23	.17	1489.
50	9.01	32.42	50	25.12	285.6	1.83	.41	1484.
75	8.06	32.89	75	25.64	237.3	2.47	.82	1482.

DEEPEST MEASUREMENT:

90	7.74	33.06	89	25.82	220.5	2.81	1.10	1481.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-028 DATE 19/09/82
POSITION 51-26.2N, 128-54.4W PST 18:24 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.20	29.17	0	21.88	594.8	.00	.00	1494.
10	12.69	31.90	10	24.08	384.7	.50	.02	1496.
20	11.29	31.94	20	24.37	357.2	.88	.08	1491.
30	10.07	32.24	30	24.81	315.2	1.21	.16	1488.
50	9.17	32.56	50	25.21	277.5	1.80	.40	1485.
75	8.07	32.77	75	25.54	246.6	2.46	.82	1482.
100	7.19	33.30	99	26.08	195.6	3.03	1.33	1479.
125	6.68	33.75	124	26.50	155.9	3.47	1.84	1478.

DEEPEST MEASUREMENT:

146	6.35	33.82	145	26.60	146.6	3.79	2.27	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-029 DATE 19/09/82
POSITION 51-24.4N, 128-54.4W PST 18:48 STATION C007
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.22	30.22	0	22.68	517.7	.00	.00	1496.
10	12.81	31.83	10	24.00	392.0	.46	.02	1496.
20	10.74	31.97	20	24.49	345.6	.83	.08	1490.
30	9.77	32.26	30	24.88	308.9	1.15	.16	1487.
50	9.21	32.48	50	25.14	284.1	1.74	.40	1485.
75	7.78	32.93	75	25.71	230.4	2.38	.80	1481.
100	7.23	33.21	99	24.00	203.1	2.92	1.28	1479.
125	6.78	33.62	124	26.39	166.6	3.38	1.81	1478.
150	6.59	33.82	149	26.56	150.2	3.77	2.35	1478.
175	6.22	33.88	174	26.66	141.0	4.13	2.95	1477.

DEEPEST MEASUREMENT:

185	6.22	33.87	184	26.66	141.8	4.27	3.21	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-030 DATE 19/09/82
POSITION 51-23.0N, 128-54.4W PST 19:06 STATION C008
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.26	31.86	0	23.93	398.2	.00	.00	1498.
10	12.47	31.82	10	24.06	386.6	.40	.02	1495.
20	10.29	32.04	20	24.62	333.6	.76	.08	1488.
30	9.61	32.30	30	24.93	303.6	1.07	.16	1486.
50	8.35	32.58	50	25.35	264.1	1.63	.38	1482.
75	7.55	33.05	75	25.83	218.5	2.24	.77	1480.
100	7.04	33.41	99	26.18	185.7	2.75	1.22	1479.
125	6.80	33.65	124	26.41	164.9	3.19	1.72	1479.
150	6.61	33.80	149	26.55	151.6	3.59	2.28	1478.
175	6.51	33.87	174	26.62	145.1	3.96	2.89	1478.
200	6.41	33.91	199	26.66	141.8	4.31	3.57	1479.

DEEPEST MEASUREMENT:

214	6.41	33.89	212	26.64	143.3	4.51	3.99	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-031 DATE 19/09/82
POSITION 51-21.1N, 128-54.4W PST 19:30 STATION C009
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PPESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.86	31.73	0	23.92	400.0	.00	.00	1496.
10	11.65	31.75	10	24.16	376.8	.40	.02	1492.
20	10.17	32.10	20	24.68	327.1	.74	.07	1488.
30	9.61	32.24	30	24.89	308.0	1.06	.15	1486.
50	8.70	32.53	50	25.25	273.3	1.64	.39	1483.
75	7.67	32.99	75	25.77	224.8	2.26	.78	1480.
100	7.12	33.36	99	26.14	189.9	2.77	1.23	1479.
125	6.93	33.61	124	26.36	169.6	3.21	1.74	1479.
150	6.68	33.77	149	26.52	154.7	3.60	2.29	1479.
175	6.47	33.87	174	26.62	144.8	3.98	2.91	1478.
200	6.46	33.88	199	26.63	144.1	4.34	3.60	1479.
225	6.46	33.88	223	26.63	144.9	4.70	4.37	1479.

DEEPEST MEASUREMENT:

228	6.47	33.89	226	26.64	143.9	4.74	4.47	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-032 DATE 19/09/82
POSITION 51-18.2N, 128-53.2W PST 19:48 STATION C010
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.17	31.89	0	23.97	394.4	.00	.00	1498.
10	13.15	31.87	10	23.97	395.2	.39	.02	1498.
20	11.27	32.08	20	24.48	346.4	.76	.08	1492.
30	10.25	32.32	30	24.85	311.9	1.09	.16	1488.
50	9.12	32.61	50	25.25	273.6	1.67	.39	1485.
75	8.16	32.92	75	25.65	236.4	2.30	.79	1482.
100	7.21	33.33	99	26.10	193.9	2.85	1.28	1479.
125	6.93	33.53	124	26.30	175.2	3.32	1.82	1479.
150	6.95	33.74	149	26.46	160.1	3.73	2.40	1480.
175	6.46	33.88	174	26.63	144.0	4.12	3.03	1478.
200	6.45	33.89	199	26.64	143.6	4.48	3.72	1479.

DEEPEST MEASUREMENT:

218	6.45	33.88	216	26.64	144.2	4.74	4.27	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-033 DATE 19/09/82
POSITION 51-15.2N, 128-52.0W PST 20:18 STATION C011
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.15	32.03	0	24.09	383.2	.00	.00	1498.
10	13.03	31.97	10	24.06	386.0	.39	.02	1497.
20	11.27	32.06	20	24.47	347.9	.75	.07	1492.
30	9.68	32.53	30	25.10	287.3	1.06	.15	1487.
50	8.89	32.68	50	25.34	265.1	1.62	.38	1484.
75	8.04	33.01	75	25.73	228.3	2.24	.78	1482.
100	7.17	33.46	99	26.21	183.4	2.76	1.23	1479.
125	6.97	33.57	124	26.32	173.2	3.20	1.74	1479.
150	6.83	33.76	149	26.49	157.6	3.62	2.32	1479.
175	6.61	33.81	174	26.56	151.2	4.00	2.95	1479.

DEEPEST MEASUREMENT:

190	6.59	33.81	189	26.56	150.9	4.22	3.37	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-034 DATE 19/09/82
POSITION 51-12.5N, 128-50.3W PST 20:42 STATION C012
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.85	32.04	0	24.15	377.2	.00	.00	1497.
10	12.62	31.99	10	24.16	377.1	.38	.02	1496.
20	12.26	32.03	20	24.26	367.7	.75	.08	1495.
30	11.77	32.10	30	24.41	353.7	1.11	.17	1494.
50	10.19	32.34	50	24.87	310.4	1.76	.43	1488.
75	7.84	33.07	75	25.81	221.2	2.39	.83	1481.
100	7.19	33.44	99	26.19	185.2	2.90	1.28	1479.

DEEPEST MEASUREMENT:

117	6.58	33.81	116	26.56	149.6	3.19	1.59	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-035 DATE 19/09/82
POSITION 51-10.0N, 128-49.0W PST 21:06 STATION C013
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.25	31.87	0	24.14	378.9	.00	.00	1494.
10	12.22	31.88	10	24.16	377.3	.38	.02	1494.
20	11.69	32.06	20	24.39	355.0	.75	.08	1493.
30	10.51	32.27	30	24.76	319.8	1.08	.16	1489.
50	8.65	32.69	50	25.39	260.8	1.67	.40	1483.
75	7.54	33.23	75	25.98	204.8	2.25	.77	1480.
100	7.30	33.41	99	26.15	189.0	2.75	1.20	1480.

DEEPEST MEASUREMENT:

99	7.31	33.38	98	26.13	191.0	2.73	1.18	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-036 DATE 19/09/82
POSITION 51- 7.3N, 128-47.4W PST 21:24 STATION C014
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.41	31.75	0	24.01	390.5	.00	.00	1495.
10	12.42	31.85	10	24.09	383.2	.39	.02	1495.
20	12.19	31.94	20	24.20	373.0	.77	.08	1495.
30	10.71	32.16	30	24.64	331.4	1.12	.17	1490.
50	9.47	32.43	50	25.06	292.1	1.74	.42	1486.
75	8.04	33.00	75	25.72	229.3	2.41	.84	1482.

DEEPEST MEASUREMENT:

76	8.02	33.00	76	25.73	228.7	2.43	.86	1482.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-037
POSITION 51- 5.0N, 128-46.3W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 19/09/82
PST 22:00

STATION C015

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.30	31.75	0	24.03	388.7	.00	.00	1494.
10	11.71	31.99	10	24.33	360.4	.38	.02	1493.
20	11.18	32.04	20	24.47	347.6	.73	.07	1491.
30	9.46	32.54	30	25.14	283.6	1.05	.15	1486.
50	8.59	32.73	50	25.43	256.5	1.59	.37	1483.

DEEPEST MEASUREMENT:

56	8.51	32.76	56	25.47	253.?	1.74	.45	1483.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-038
POSITION 51- 2.3N, 128-44.5W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 19/09/82
PST 22:30

STATION C016

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.08	31.89	0	24.19	374.2	.00	.00	1494.
10	12.08	31.93	10	24.22	371.1	.37	.02	1494.
20	11.41	32.08	20	24.46	348.6	.73	.07	1492.
30	9.98	32.36	30	24.92	304.5	1.06	.16	1487.
50	8.43	32.76	50	25.47	252.4	1.59	.37	1482.

DEEPEST MEASUREMENT:

67	8.36	32.78	67	25.50	249.7	2.02	.63	1483.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-039 DATE 19/09/82
POSITION 50-59.4N, 128-43.3W PST 22:54 STATION C017
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.82	31.85	0	24.21	372.3	.00	.00	1493.
10	11.36	32.07	10	24.46	348.5	.36	.02	1492.
20	9.75	32.30	20	24.91	305.2	.69	.07	1486.
30	9.20	32.45	30	25.11	286.4	.98	.14	1485.
50	9.09	32.54	50	25.20	278.1	1.55	.37	1485.

DEEPEST MEASUREMENT:

65	8.87	32.59	65	25.28	271.5	1.96	.61	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-040 DATE 19/09/82
POSITION 50-57.3N, 128-41.0W PST 23:24 STATION C17A
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.76	31.85	0	24.21	371.7	.00	.00	1493.
10	11.29	31.95	10	24.38	356.2	.37	.02	1491.
20	9.84	32.17	20	24.79	316.8	.70	.07	1487.
30	9.19	32.35	30	25.04	293.7	1.01	.15	1484.
50	8.88	32.58	50	25.27	272.0	1.56	.37	1484.

DEEPEST MEASUREMENT:

70	8.77	32.63	70	25.32	267.4	2.10	.70	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-041 DATE 19/09/82
POSITION 50-55.0N, 128-37.3W PST 23:48 STATION C018
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.62	32.30	0	24.77	318.8	.00	.00	1489.
10	10.12	32.37	10	24.90	306.2	.31	.02	1488.
20	10.11	32.37	20	24.90	306.2	.62	.06	1488.
30	10.11	32.39	30	24.92	305.0	.92	.14	1488.
50	9.40	32.59	50	25.19	279.0	1.51	.38	1486.
DEEPEST MEASUREMENT:								
54	9.33	32.60	54	25.21	277.2	1.62	.44	1486.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-042 DATE 20/09/82
POSITION 50-53.1N, 128-34.5W PST 00:12 STATION C019
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.54	32.24	0	24.73	322.2	.00	.00	1489.
10	10.33	32.24	10	24.77	318.9	.32	.02	1488.
20	10.08	32.35	20	24.90	307.0	.64	.06	1488.
30	9.77	32.47	30	25.04	293.4	.94	.14	1487.
50	9.52	32.54	50	25.14	284.4	1.52	.38	1486.
75	9.40	32.59	75	25.19	279.8	2.22	.83	1486.
DEEPEST MEASUREMENT:								
79	9.41	32.55	79	25.16	282.5	2.33	.91	1486.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-043 DATE 20/09/82
POSITION 50-51.3N, 128-32.1W PST 00:42 STATION C020
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.28	32.38	0	24.89	307.2	.00	.00	1488.
10	10.16	32.41	10	24.93	303.4	.31	.02	1488.
20	9.99	32.45	20	24.99	298.2	.61	.06	1487.
30	9.67	32.56	30	25.13	284.8	.90	.14	1487.

DEEPEST MEASUREMENT:

35	9.64	32.55	35	25.12	285.5	1.04	.18	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.28	32.38	18.		10.05	32.43
1.		10.28	32.38	19.		10.03	32.44
2.		10.28	32.38	20.		9.99	32.45
3.		10.28	32.38	21.		9.95	32.48
4.		10.28	32.38	23.		9.90	32.50
5.		10.28	32.38	24.		9.81	32.55
6.		10.26	32.40	26.		9.81	32.52
7.		10.22	32.41	27.		9.79	32.50
8.		10.16	32.41	28.		9.78	32.51
9.		10.16	32.40	29.		9.76	32.54
10.		10.16	32.41	30.		9.67	32.56
11.		10.16	32.40	31.		9.65	32.56
12.		10.15	32.39	32.		9.65	32.56
14.		10.13	32.41	33.		9.64	32.56
15.		10.13	32.41	34.		9.64	32.56
16.		10.10	32.42	35.		9.64	32.55
17.		10.08	32.42				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-044 DATE 20/09/82
POSITION 50-49.0N, 128-29.0W PST 01:00 STATION C021
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.25	31.81	0	24.10	382.8	.00	.00	1494.
10	11.25	32.17	10	24.55	339.4	.36	.02	1491.
20	10.81	32.25	20	24.70	325.9	.69	.07	1490.
30	9.72	32.59	30	25.15	283.4	1.00	.15	1487.
50	8.35	32.92	50	25.61	239.4	1.52	.36	1482.

DEEPEST MEASUREMENT:

55	8.24	32.92	55	25.63	237.5	1.64	.42	1482.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-C2-045 DATE 20/09/82
POSITION 50-48.0N, 128-27.2W PST 01:18 STATION C022
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.77	32.58	0	24.96	300.6	.00	.00	1490.
10	10.52	32.51	10	24.95	301.9	.30	.02	1489.
20	9.23	32.55	20	25.19	278.6	.59	.06	1485.
30	8.37	32.72	30	25.46	253.9	.85	.13	1482.
50	8.06	32.85	50	25.60	239.9	1.34	.33	1481.

DEEPEST MEASUREMENT:

48	8.06	32.80	48	25.57	243.5	1.30	.30	1481.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.77	32.58	24.		8.56	32.69
1.		10.77	32.58	25.		8.48	32.70
2.		10.77	32.58	26.		8.46	32.71
3.		10.77	32.58	27.		8.43	32.70
4.		10.77	32.58	28.		8.42	32.72
5.		10.77	32.58	29.		8.42	32.72
6.		10.77	32.58	30.		8.37	32.72
7.		10.72	32.56	31.		8.31	32.74
8.		10.68	32.54	32.		8.23	32.78
9.		10.60	32.53	33.		8.19	32.78
10.		10.52	32.51	34.		8.19	32.77
11.		10.07	32.50	35.		8.18	32.78
12.		9.83	32.49	36.		8.17	32.77
13.		9.78	32.51	38.		8.17	32.78
14.		9.72	32.48	39.		8.13	32.79
15.		9.57	32.48	40.		8.06	32.81
16.		9.47	32.50	41.		8.05	32.82
17.		9.43	32.52	42.		8.05	32.82
18.		9.42	32.52	44.		8.05	32.81
19.		9.39	32.54	45.		8.05	32.81
20.		9.23	32.55	46.		8.05	32.79
21.		8.93	32.56	47.		8.06	32.78
22.		8.73	32.65	48.		8.06	32.80
23.		8.66	32.69				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-046 DATE 20/09/82
POSITION 51-11.2N, 129-30.2W PST 10:18 STATION WC01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.43	31.82	0	24.07	385.3	.00	.00	1495.
10	12.10	31.92	10	24.20	372.7	.39	.02	1494.
20	11.09	32.20	20	24.61	334.5	.74	.07	1491.
30	10.54	32.32	30	24.80	316.5	1.06	.16	1489.
50	9.43	32.59	50	25.19	279.3	1.67	.40	1486.
75	8.17	32.93	75	25.65	235.9	2.31	.81	1482.
100	7.40	33.41	99	26.14	190.2	2.84	1.28	1480.
125	6.91	33.66	124	26.39	165.9	3.28	1.78	1479.
150	6.59	33.79	149	26.54	152.1	3.67	2.33	1478.
175	6.41	33.86	174	26.62	145.2	4.05	2.95	1478.
200	6.21	33.89	199	26.67	140.2	4.40	3.63	1478.
225	6.13	33.93	223	26.71	136.9	4.74	4.37	1478.
250	6.05	33.98	248	26.76	132.5	5.08	5.18	1478.
DEEPEST MEASUREMENT:								
275	6.00	33.94	273	26.74	135.0	5.41	6.08	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-047 DATE 20/09/82
POSITION 51-57.3N, 129-54.3W PST 16:06 STATION MC12
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.06	30.99	0	23.31	458.1	.00	.00	1496.
10	13.03	30.99	10	23.31	458.0	.46	.02	1496.
20	11.83	31.69	20	24.07	385.2	.89	.09	1493.
30	10.78	31.96	30	24.48	347.1	1.25	.18	1490.
50	9.25	32.40	50	25.07	291.3	1.92	.45	1485.
75	7.80	32.77	75	25.57	243.2	2.58	.87	1480.
100	6.70	33.44	99	26.26	178.5	3.10	1.33	1477.
DEEPEST MEASUREMENT:								
120	6.67	33.45	119	26.27	177.7	3.46	1.73	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-048 DATE 20/09/82
POSITION 51-57.3N, 129-46.0W PST 16:48 STATION M011
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.35	29.93	0	22.43	541.7	.00	.00	1496.
10	12.90	30.77	10	23.16	471.9	.52	.03	1495.
20	12.31	31.46	20	23.81	410.1	.97	.09	1494.
30	10.55	32.00	30	24.54	340.8	1.34	.19	1489.
50	9.05	32.38	50	25.09	289.1	1.97	.44	1484.
75	7.22	33.13	75	25.94	208.3	2.58	.83	1479.
100	6.98	33.27	99	26.08	195.2	3.08	1.27	1478.

DEEPEST MEASUREMENT:

121	6.97	33.29	120	26.10	193.9	3.49	1.73	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-049 DATE 20/09/82
POSITION 51-55.3N, 129-42.3W PST 17:12 STATION M010
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.43	30.40	0	22.78	508.8	.00	.00	1497.
10	12.90	31.19	10	23.49	441.1	.48	.02	1496.
20	10.73	32.18	20	24.65	330.5	.87	.08	1490.
30	9.40	32.35	30	25.01	296.5	1.18	.16	1485.
50	8.23	32.67	50	25.44	255.8	1.73	.38	1482.
75	7.65	32.90	75	25.70	231.1	2.34	.77	1480.
100	7.08	33.19	99	26.00	202.7	2.87	1.24	1479.
125	6.85	33.34	124	26.16	188.5	3.35	1.80	1478.
150	6.67	33.47	149	26.28	176.8	3.80	2.43	1478.
175	6.41	33.62	174	26.43	163.1	4.23	3.13	1478.

DEEPEST MEASUREMENT:

184	6.27	33.66	183	26.48	158.1	4.37	3.39	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-050 DATE 20/09/82
POSITION 51-53.0N, 129-38.4W PST 17:36 STATION M009
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.41	30.53	0	22.88	498.9	.00	.00	1497.
10	13.07	31.55	10	23.73	417.5	.47	.02	1497.
20	11.50	32.00	20	24.38	356.4	.85	.08	1492.
30	10.20	32.18	30	24.74	321.6	1.19	.17	1488.
50	8.35	32.51	50	25.29	269.5	1.77	.40	1482.
75	7.39	33.00	75	25.81	220.4	2.37	.78	1479.
100	6.94	33.26	99	26.08	195.0	2.88	1.24	1478.
125	6.56	33.46	124	26.29	176.1	3.35	1.78	1477.
150	6.27	33.70	149	26.52	154.4	3.76	2.35	1477.
175	5.94	33.79	174	26.62	144.6	4.14	2.97	1476.
200	5.92	33.91	199	26.73	135.2	4.48	3.63	1477.
225	5.91	33.89	223	26.71	137.3	4.83	4.38	1477.

DEEPEST MEASUREMENT:

240	5.91	33.89	238	26.71	137.2	5.03	4.86	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-051 DATE 20/09/82
POSITION 51-50.4N, 129-34.0W PST 18:06 STATION M008
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.31	31.29	0	23.49	441.0	.00	.00	1497.
10	13.22	31.48	10	23.65	425.3	.44	.02	1497.
20	12.47	31.70	20	23.97	395.6	.85	.09	1495.
30	10.79	32.02	30	24.52	343.4	1.22	.18	1490.
50	8.53	32.48	50	25.24	274.2	1.83	.42	1482.
75	7.67	32.85	75	25.66	235.0	2.45	.82	1480.
100	6.55	33.45	99	26.28	176.0	2.93	1.25	1477.
125	6.10	33.74	124	26.57	149.5	3.33	1.70	1476.
150	5.98	33.87	149	26.69	138.2	3.69	2.21	1476.
175	5.98	33.87	174	26.69	138.4	4.03	2.77	1476.
200	5.90	33.92	199	26.73	134.7	4.37	3.42	1477.
225	5.90	33.91	223	26.73	135.6	4.71	4.15	1477.
250	5.90	33.91	248	26.73	135.8	5.05	4.98	1477.

DEEPEST MEASUREMENT:

259	5.90	33.94	257	26.75	133.4	5.17	5.29	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-052 DATE 20/09/82
POSITION 51-48.0N, 129-32.1W PST 18:42 STATION M007
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.86	31.70	0	23.89	402.2	.00	.00	1496.
10	12.84	31.70	10	23.90	402.1	.40	.02	1496.
20	12.54	31.73	20	23.98	394.7	.80	.08	1496.
30	10.29	32.13	30	24.69	326.6	1.17	.17	1488.
50	8.22	32.54	50	25.34	265.2	1.74	.41	1481.
75	7.22	33.11	75	25.92	209.8	2.33	.78	1479.
100	6.55	33.51	99	26.33	171.9	2.82	1.21	1477.
125	6.13	33.72	124	26.55	151.1	3.22	1.67	1476.
150	6.02	33.91	149	26.71	135.7	3.58	2.17	1476.
175	6.02	33.92	174	26.72	135.8	3.92	2.73	1477.
200	6.01	33.90	199	26.70	137.2	4.26	3.39	1477.
225	6.01	33.90	223	26.71	137.2	4.60	4.12	1477.

DEEPEST MEASUREMENT:

236	5.99	33.91	234	26.71	136.9	4.75	4.48	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-053 DATE 20/09/82
POSITION 51-46.1N, 129-30.0W PST 19:06 STATION M006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.53	31.61	0	23.88	403.0	.00	.00	1495.
10	12.57	31.58	10	23.86	405.3	.40	.02	1495.
20	12.63	31.62	20	23.88	404.0	.81	.08	1496.
30	10.28	32.14	30	24.70	325.6	1.19	.18	1488.
50	8.93	32.49	50	25.19	279.4	1.79	.42	1484.
75	7.39	33.01	75	25.82	219.8	2.42	.82	1479.
100	6.61	33.50	99	26.31	173.4	2.90	1.25	1477.

DEEPEST MEASUREMENT:

120	6.38	33.66	119	26.47	158.8	3.23	1.62	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-055 DATE 20/09/82
POSITION 51-44.3N, 129-28.0W PST 19:42 STATION MD05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	31.65	0	23.92	399.9	.00	.00	1495.
10	12.52	31.66	10	23.92	399.5	.40	.02	1495.
20	10.84	32.01	20	24.50	344.8	.78	.08	1490.
30	9.15	32.40	30	25.08	289.3	1.09	.16	1484.
50	7.53	33.08	50	25.86	216.0	1.60	.36	1479.

DEEPEST MEASUREMENT:

69	6.78	33.46	69	26.26	178.1	1.97	.59	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-056 DATE 20/09/82
POSITION 51-40.1N, 129-23.1W PST 20:12 STATION M004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.09	31.61	0	23.78	413.1	.00	.00	1497.
10	13.12	31.64	10	23.79	411.9	.41	.02	1497.
20	12.19	31.79	20	24.09	384.2	.81	.08	1494.
30	10.27	32.23	30	24.77	319.3	1.17	.17	1488.
50	8.22	32.82	50	25.55	245.0	1.71	.39	1482.

DEEPEST MEASUREMENT:

50	8.22	32.82	50	25.55	245.0	1.71	.39	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.09	31.61	25.		11.75	31.86
1.		13.09	31.61	26.		11.34	31.96
2.		13.12	31.60	27.		10.80	32.05
3.		13.11	31.61	28.		10.52	32.16
4.		13.11	31.63	29.		10.36	32.20
5.		13.10	31.61	31.		10.19	32.25
6.		13.11	31.63	32.		10.02	32.30
7.		13.11	31.62	34.		9.67	32.42
8.		13.11	31.61	35.		9.59	32.43
9.		13.11	31.62	36.		9.28	32.53
10.		13.12	31.64	37.		9.09	32.55
11.		13.11	31.65	38.		8.97	32.56
12.		13.11	31.63	39.		8.77	32.63
14.		13.09	31.65	40.		8.48	32.70
15.		12.89	31.66	41.		8.43	32.79
16.		12.24	31.78	42.		8.42	32.79
17.		12.23	31.79	43.		8.38	32.78
18.		12.22	31.80	44.		8.36	32.77
19.		12.22	31.78	45.		8.32	32.79
20.		12.19	31.79	46.		8.30	32.77
21.		12.12	31.81	47.		8.29	32.79
22.		11.96	31.83	49.		8.26	32.80
23.		11.94	31.84	50.		8.22	32.82

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-057 DATE 20/09/82
POSITION 51-35.4N, 129-18.3W PST 20:48 STATION M003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	31.43	0	23.73	417.4	.00	.00	1495.
10	12.47	31.71	10	23.98	394.5	.41	.02	1495.
20	10.83	32.15	20	24.62	333.6	.77	.08	1490.
30	9.47	32.43	30	25.06	291.5	1.07	.15	1486.
50	9.14	32.51	50	25.17	281.3	1.65	.39	1485.

DEEPEST MEASUREMENT:

49	9.15	32.50	49	25.16	282.2	1.62	.37	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.61	31.43	23.		10.08	32.24
1.		12.61	31.52	24.		9.83	32.29
2.		12.57	31.54	25.		9.79	32.34
3.		12.61	31.55	27.		9.69	32.34
4.		12.61	31.60	29.		9.63	32.41
5.		12.61	31.61	30.		9.47	32.43
6.		12.62	31.61	31.		9.38	32.45
7.		12.62	31.63	32.		9.32	32.46
8.		12.61	31.63	34.		9.25	32.50
9.		12.60	31.64	35.		9.19	32.52
10.		12.47	31.71	37.		9.18	32.51
11.		12.15	31.83	39.		9.18	32.52
12.		12.02	31.84	41.		9.17	32.51
13.		11.78	31.94	42.		9.18	32.53
14.		11.45	31.96	43.		9.16	32.52
15.		11.31	31.98	44.		9.16	32.51
16.		11.25	31.97	45.		9.15	32.49
17.		11.19	32.00	46.		9.16	32.50
18.		11.14	32.04	47.		9.15	32.51
19.		11.00	32.09	48.		9.15	32.49
20.		10.83	32.15	49.		9.15	32.50

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-058 DATE 20/09/82
POSITION 51-35.4N, 129-10.0W PST 21:36 STATION M002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.26	31.65	0	23.97	394.7	.00	.00	1494.
10	12.06	31.79	10	24.11	381.5	.39	.02	1494.
20	9.73	32.34	20	24.95	302.0	.72	.07	1486.
30	9.50	32.42	30	25.04	293.1	1.01	.14	1486.

DEEPEST MEASUREMENT:

40	9.43	32.42	40	25.06	292.0	1.31	.25	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.26	31.65	20.		9.73	32.34
1.		12.26	31.65	21.		9.64	32.36
2.		12.26	31.72	23.		9.63	32.35
3.		12.25	31.78	24.		9.61	32.35
4.		12.26	31.77	25.		9.56	32.39
5.		12.25	31.74	26.		9.55	32.39
6.		12.25	31.75	27.		9.51	32.39
7.		12.25	31.74	28.		9.51	32.42
8.		12.25	31.75	29.		9.52	32.43
9.		12.22	31.75	30.		9.50	32.42
10.		12.06	31.79	31.		9.50	32.39
11.		11.78	31.85	33.		9.46	32.38
12.		11.13	32.01	34.		9.46	32.38
13.		10.81	32.08	35.		9.45	32.38
14.		10.48	32.14	36.		9.45	32.38
15.		10.09	32.24	37.		9.45	32.40
16.		10.06	32.25	38.		9.45	32.40
17.		10.00	32.27	39.		9.44	32.40
18.		9.92	32.28	40.		9.43	32.42
19.		9.84	32.28				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-060
POSITION 51-35.3N, 129- 2.0W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 20/09/82
PST 22:18

STATION MOD1

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.72	30.51	0	23.00	487.3	.00	.00	1494.
10	12.51	30.93	10	23.36	452.9	.48	.02	1494.
20	10.06	32.16	20	24.75	320.8	.86	.08	1487.
30	9.95	32.21	30	24.80	315.8	1.17	.16	1487.

DEEPEST MEASUREMENT:

39	9.78	32.33	39	24.93	303.7	1.45	.26	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.72	30.51	20.		10.06	32.16
1.		12.72	30.51	21.		9.98	32.19
2.		12.72	30.51	22.		9.99	32.21
3.		12.72	30.49	23.		9.98	32.22
4.		12.72	30.50	24.		9.98	32.23
5.		12.73	30.55	25.		9.97	32.22
6.		12.69	30.60	26.		9.98	32.23
7.		12.59	30.74	28.		9.97	32.24
8.		12.53	30.86	29.		9.95	32.22
10.		12.51	30.93	30.		9.95	32.21
11.		12.47	30.99	32.		9.95	32.25
12.		12.41	31.12	33.		9.94	32.27
14.		11.99	31.48	34.		9.94	32.26
15.		10.94	31.83	36.		9.91	32.30
16.		10.75	31.93	37.		9.81	32.31
17.		10.22	32.08	39.		9.78	32.33
19.		10.09	32.13				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-061 DATE 20/09/82
POSITION 51-35.3N, 128-54.4W PST 22:48 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.54	30.21	0	22.80	506.1	.00	.00	1493.
10	12.41	31.21	10	23.60	430.5	.47	.02	1494.
20	12.24	31.36	20	23.75	416.3	.90	.09	1494.
30	10.06	32.20	30	24.78	317.9	1.28	.18	1488.

DEEPEST MEASUREMENT:

39	9.90	32.13	39	24.76	320.6	1.57	.28	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.54	30.21	20.		12.24	31.36
1.		12.54	30.21	21.		12.21	31.39
2.		12.54	30.21	22.		12.17	31.43
3.		12.59	30.29	23.		12.15	31.45
4.		12.63	30.36	24.		12.10	31.48
5.		12.61	30.74	25.		11.82	31.58
6.		12.59	30.87	26.		11.58	31.64
7.		12.57	30.88	27.		11.14	31.82
8.		12.53	30.99	28.		10.28	32.15
9.		12.44	31.17	29.		10.15	32.18
10.		12.41	31.21	30.		10.06	32.20
11.		12.40	31.22	32.		10.05	32.22
12.		12.38	31.26	33.		9.94	32.23
13.		12.39	31.24	34.		9.92	32.22
14.		12.40	31.25	35.		9.92	32.22
15.		12.39	31.27	36.		9.91	32.24
17.		12.35	31.29	37.		9.92	32.24
18.		12.30	31.32	38.		9.91	32.23
19.		12.27	31.36	39.		9.90	32.13

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-062 DATE 20/09/82
POSITION 51-34.0N, 128-54.4W PST 23:12 STATION C001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.24	31.28	0	23.69	421.6	.00	.00	1494.
10	11.32	31.89	10	24.32	361.3	.40	.02	1491.
20	10.55	32.07	20	24.60	335.0	.74	.07	1489.
30	9.76	32.31	30	24.91	305.5	1.06	.15	1487.

DEEPEST MEASUREMENT:

37	9.61	32.34	37	24.97	300.5	1.28	.23	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.24	31.28	19.		10.56	32.06
1.		12.24	31.28	20.		10.55	32.07
2.		12.24	31.28	21.		10.55	32.07
3.		12.24	31.28	22.		10.50	32.10
4.		12.22	31.31	23.		10.25	32.15
5.		12.11	31.41	24.		10.19	32.18
6.		11.98	31.61	25.		10.17	32.22
7.		11.74	31.70	26.		10.13	32.23
8.		11.55	31.78	27.		10.01	32.23
9.		11.37	31.85	28.		9.87	32.26
10.		11.32	31.89	29.		9.81	32.32
11.		11.27	31.92	30.		9.76	32.31
12.		11.11	31.93	31.		9.75	32.29
13.		10.95	31.99	32.		9.72	32.29
14.		10.87	31.99	33.		9.73	32.29
15.		10.76	32.02	34.		9.70	32.31
17.		10.65	32.07	36.		9.64	32.33
18.		10.59	32.07	37.		9.61	32.34

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-063 DATE 20/09/82
POSITION 51-32.4N, 128-54.4W PST 23:36 STATION CO02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.54	30.85	0	23.30	458.8	.00	.00	1494.
10	11.49	31.89	10	24.30	363.8	.43	.02	1492.
20	9.89	32.29	20	24.88	308.1	.76	.07	1487.
30	9.57	32.36	30	24.99	298.1	1.06	.15	1486.

DEEPEST MEASUREMENT:

39	9.48	32.38	39	25.01	296.0	1.33	.24	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.54	30.85	19.		9.90	32.28
1.		12.54	30.85	20.		9.89	32.29
2.		12.54	30.85	21.		9.83	32.31
3.		12.57	30.83	22.		9.79	32.33
4.		12.60	30.85	23.		9.69	32.35
5.		12.58	30.88	24.		9.65	32.34
6.		12.56	31.06	25.		9.66	32.33
7.		12.35	31.40	26.		9.65	32.35
8.		12.07	31.64	27.		9.61	32.37
9.		11.79	31.74	29.		9.58	32.35
10.		11.49	31.89	30.		9.57	32.36
11.		11.00	32.05	33.		9.54	32.38
12.		10.71	32.10	34.		9.50	32.38
13.		10.58	32.09	35.		9.49	32.40
14.		10.55	32.12	36.		9.49	32.40
15.		10.41	32.15	37.		9.49	32.39
16.		10.23	32.22	38.		9.49	32.38
17.		9.97	32.28	39.		9.48	32.38
18.		9.93	32.27				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-064 DATE 20/09/82
POSITION 51-31.1N, 128-54.4W PST 23:48 STATION C003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.87	30.28	0	22.80	506.8	.00	.00	1495.
10	11.96	31.90	10	24.22	371.4	.47	.02	1494.
20	9.80	32.28	20	24.89	307.7	.81	.07	1486.
30	8.57	32.69	30	25.40	259.4	1.09	.14	1483.

DEEPEST MEASUREMENT:

38	8.44	32.74	38	25.46	253.9	1.29	.21	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.87	30.28	21.		9.68	32.29
1.		12.87	30.24	22.		9.57	32.33
2.		12.87	30.19	23.		9.39	32.42
3.		12.87	30.16	24.		8.97	32.51
4.		12.87	30.12	25.		8.75	32.60
5.		12.88	30.13	26.		8.71	32.63
6.		12.83	30.35	27.		8.62	32.67
7.		12.78	31.43	28.		8.61	32.66
9.		12.15	31.73	29.		8.59	32.66
10.		11.96	31.90	30.		8.57	32.69
12.		11.55	32.03	31.		8.53	32.70
13.		11.28	32.05	32.		8.51	32.71
14.		11.02	32.07	33.		8.51	32.72
15.		10.64	32.09	34.		8.49	32.73
16.		10.42	32.09	35.		8.47	32.72
17.		10.18	32.15	37.		8.46	32.74
18.		9.89	32.21	38.		8.44	32.74
20.		9.80	32.28				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-065 DATE 21/09/82
POSITION 51-30.0N, 128-54.4W PST 00:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.81	29.87	0	22.49	536.0	.00	.00	1494.
10	11.20	32.01	10	24.44	350.3	.48	.02	1491.
20	9.40	32.39	20	25.04	293.5	.80	.07	1485.
30	7.96	32.86	30	25.63	237.5	1.06	.14	1480.

DEEPEST MEASUREMENT:

42	7.44	33.22	42	25.98	203.8	1.33	.23	1479.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.81	29.87	22.		8.99	32.53
1.		12.81	29.87	23.		8.82	32.58
2.		12.81	29.84	24.		8.78	32.60
3.		12.83	29.85	25.		8.76	32.59
4.		12.83	29.81	26.		8.76	32.65
5.		12.83	30.13	27.		8.58	32.71
6.		12.83	30.45	28.		8.40	32.76
7.		12.73	30.92	29.		8.14	32.77
8.		12.63	31.78	30.		7.96	32.86
9.		11.73	31.92	31.		7.86	32.89
10.		11.20	32.01	32.		7.80	32.95
11.		10.84	32.05	33.		7.79	32.95
12.		10.64	32.08	34.		7.80	32.94
13.		10.29	32.15	35.		7.80	32.95
14.		10.18	32.18	36.		7.74	32.98
15.		9.84	32.24	37.		7.69	33.05
16.		9.73	32.25	38.		7.54	33.17
17.		9.65	32.31	39.		7.49	33.17
18.		9.53	32.36	40.		7.44	33.17
19.		9.50	32.37	41.		7.46	33.19
20.		9.40	32.39	42.		7.44	33.22
21.		9.24	32.45				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-066 DATE 21/09/82
POSITION 51-28.0N, 128-54.4W PST 00:18 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.79	30.72	0	23.15	473.0	.00	.00	1495.
10	12.83	31.58	10	23.80	410.9	.46	.02	1496.
20	9.74	32.24	20	24.87	309.4	.81	.08	1486.
30	8.66	32.52	30	25.25	273.0	1.11	.15	1483.
50	7.40	33.14	50	25.92	209.6	1.59	.34	1479.
75	6.88	33.56	75	26.33	171.5	2.05	.64	1478.
DEEPEST MEASUREMENT:								
91	6.56	33.75	90	26.52	153.8	2.31	.86	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-067 DATE 21/09/82
POSITION 51-26.2N, 128-54.4W PST 00:36 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	30.51	0	23.01	486.8	.00	.00	1494.
10	11.19	31.90	10	24.35	358.5	.43	.02	1491.
20	10.15	32.14	20	24.72	323.9	.78	.07	1488.
30	9.11	32.45	30	25.13	284.9	1.09	.15	1484.
50	7.29	33.23	50	26.01	201.6	1.56	.34	1479.
75	6.96	33.46	75	26.23	180.4	2.04	.6	1476.
100	6.74	33.68	99	26.44	161.2	2.46	1.02	1478.
125	6.58	33.83	124	26.58	148.5	2.85	1.47	1478.
DEEPEST MEASUREMENT:								
146	6.29	33.86	145	26.64	142.6	3.16	1.89	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-068 DATE 21/09/82
POSITION 51-24.4N, 128-54.4W PST 00:54 STATION C007
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.72	31.01	0	23.39	450.3	.00	.00	1495.
10	12.83	31.82	10	23.99	393.0	.42	.02	1496.
20	10.20	32.25	20	24.80	316.4	.79	.08	1488.
30	9.66	32.31	30	24.94	303.1	1.09	.15	1486.
50	8.06	32.89	50	25.63	237.4	1.63	.37	1481.
75	6.98	33.49	75	26.26	178.2	2.13	.69	1478.
100	6.71	33.77	99	26.51	154.5	2.54	1.05	1478.
125	6.61	33.81	124	26.55	150.8	2.92	1.49	1478.
150	6.49	33.86	149	26.62	145.1	3.29	2.00	1478.
175	6.22	33.88	174	26.67	140.7	3.65	2.59	1477.

DEEPEST MEASUREMENT:

191	6.18	33.89	190	26.66	141.1	3.87	3.01	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-069 DATE 21/09/82
POSITION 51-23.0N, 128-54.4W PST 01:18 STATION C008
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.28	31.81	0	24.09	383.7	.00	.00	1494.
10	11.54	31.91	10	24.30	363.7	.38	.02	1492.
20	10.13	32.19	20	24.76	319.5	.71	.07	1488.
30	9.61	32.30	30	24.93	303.8	1.03	.15	1486.
50	8.46	32.75	50	25.46	253.5	1.59	.38	1483.
75	7.12	33.37	75	26.15	188.8	2.13	.72	1479.
100	6.82	33.74	99	26.47	158.2	2.56	1.10	1478.
125	6.59	33.80	124	26.56	150.6	2.95	1.54	1478.
150	6.45	33.89	149	26.64	142.5	3.31	2.06	1478.
175	6.44	33.91	174	26.66	141.3	3.67	2.65	1478.
200	6.40	33.89	199	26.65	142.6	4.03	3.33	1478.

DEEPEST MEASUREMENT:

206	6.40	33.94	205	26.69	139.2	4.11	3.50	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-070 DATE 21/09/82
POSITION 51-21.1N, 128-54.4W PST 01:42 STATION C009
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.02	31.78	0	24.11	381.1	.00	.00	1494.
10	11.89	31.78	10	24.14	379.0	.38	.02	1493.
20	10.19	32.16	20	24.73	322.6	.73	.07	1488.
30	9.65	32.29	30	24.92	304.6	1.05	.15	1486.
50	7.88	32.91	50	25.67	233.4	1.60	.37	1481.
75	6.97	33.46	75	26.23	180.3	2.11	.70	1478.
100	6.88	33.60	99	26.35	169.5	2.54	1.08	1478.
125	6.69	33.81	124	26.54	151.8	2.95	1.54	1478.
150	6.61	33.87	149	26.60	146.5	3.32	2.07	1478.
175	6.53	33.89	174	26.63	143.8	3.68	2.67	1479.
200	6.49	33.87	199	26.62	145.2	4.04	3.35	1479.

DEEPEST MEASUREMENT:

221	6.46	33.89	219	26.64	143.7	4.34	4.00	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-072 DATE 21/09/82
POSITION 51-18.2N, 128-53.2W PST 02:18 STATION C010
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.29	31.68	0	23.98	393.6	.00	.00	1494.
10	11.98	31.78	10	24.12	380.9	.39	.02	1494.
20	10.11	32.17	20	24.75	320.4	.73	.07	1488.
30	9.68	32.25	30	24.88	308.6	1.04	.15	1486.
50	8.45	32.66	50	25.39	260.2	1.61	.38	1482.
75	7.47	33.09	75	25.87	214.9	2.19	.75	1480.
100	7.22	33.34	99	26.10	193.1	2.69	1.20	1479.
125	6.88	33.66	124	26.40	165.5	3.14	1.70	1479.
150	6.74	33.79	149	26.52	154.3	3.53	2.26	1479.
175	6.70	33.82	174	26.56	151.3	3.91	2.88	1479.
200	6.65	33.86	199	26.59	148.1	4.29	3.60	1479.

DEEPEST MEASUREMENT:

204	6.59	33.87	203	26.61	146.4	4.35	3.72	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-073 DATE 21/09/82
POSITION 51-15.2N, 128-52.0W PST 02:48 STATION C011
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.79	31.87	0	24.04	388.5	.00	.00	1496.
10	11.33	31.89	10	24.32	361.4	.38	.02	1491.
20	9.90	32.21	20	24.82	314.5	.72	.07	1487.
30	9.33	32.42	30	25.07	290.7	1.02	.15	1485.
50	8.38	32.71	50	25.45	255.1	1.56	.37	1482.
75	7.71	33.15	75	25.89	213.5	2.14	.73	1481.
100	7.32	33.36	99	26.11	193.0	2.64	1.18	1480.
125	6.92	33.61	124	26.36	169.1	3.09	1.69	1479.
150	6.83	33.68	149	26.43	163.3	3.50	2.27	1479.
175	6.77	33.76	174	26.50	156.8	3.91	2.94	1479.

DEEPEST MEASUREMENT:

191	6.73	33.80	190	26.54	153.4	4.15	3.40	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-074 DATE 21/09/82
POSITION 51-12.5N, 128-50.3W PST 03:18 STATION C012
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.39	31.66	0	23.95	396.9	.00	.00	1495.
10	11.19	31.93	10	24.38	356.1	.39	.02	1491.
20	10.14	32.20	20	24.77	319.2	.72	.07	1488.
30	9.47	32.35	30	25.00	297.5	1.03	.15	1486.
50	8.62	32.66	50	25.37	262.6	1.57	.37	1483.
75	7.88	33.06	75	25.79	222.6	2.18	.75	1481.
100	7.17	33.43	99	26.18	185.5	2.68	1.20	1479.
125	6.86	33.64	124	26.39	166.7	3.11	1.69	1479.

DEEPEST MEASUREMENT:

134	6.81	33.72	133	26.46	160.1	3.26	1.88	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-075 DATE 21/09/82
POSITION 51-10.0N, 128-49.0W PST 03:48 STATION C013
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.18	31.67	0	24.00	391.7	.00	.00	1494.
10	12.08	32.01	10	24.28	365.8	.38	.02	1494.
20	10.85	32.19	20	24.64	331.5	.73	.07	1490.
30	9.59	32.42	30	25.03	294.2	1.03	.15	1486.
50	8.88	32.62	50	25.30	269.2	1.60	.38	1484.
75	8.22	32.99	75	25.69	232.3	2.25	.79	1482.
100	7.81	33.10	99	25.83	218.8	2.80	1.29	1481.

DEEPEST MEASUREMENT:

103	7.79	33.11	102	25.84	217.9	2.87	1.35	1481.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-076 DATE 21/09/82
POSITION 51- 7.3N, 128-47.4W PST 04:06 STATION C014
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.14	31.73	0	24.05	386.7	.00	.00	1494.
10	12.15	31.70	10	24.03	389.7	.39	.02	1494.
20	11.12	32.17	20	24.58	337.4	.76	.08	1491.
30	10.29	32.19	30	24.74	322.5	1.09	.16	1488.
50	9.52	32.55	50	25.14	283.8	1.69	.40	1486.
75	8.48	32.85	75	25.54	246.6	2.37	.84	1483.

DEEPEST MEASUREMENT:

81	8.29	32.93	81	25.63	237.7	2.52	.95	1483.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-077 DATE 21/09/82
POSITION 51- 5.0N, 128-46.3W PST 04:30 STATION C015
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.41	31.81	0	24.06	386.2	.00	.00	1495.
10	12.41	31.77	10	24.03	389.4	.39	.02	1495.
20	11.69	31.82	20	24.20	372.8	.77	.08	1493.
30	10.79	32.02	30	24.52	343.1	1.13	.17	1490.
50	9.89	32.32	50	24.90	306.9	1.78	.43	1487.

DEEPEST MEASUREMENT:

52	9.64	32.40	52	25.01	296.8	1.84	.47	1487.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-078 DATE 21/09/82
POSITION 51- 2.3N, 128-44.5W PST 04:48 STATION C016
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	31.90	0	24.10	382.8	.00	.00	1496.
10	12.59	31.85	10	24.06	386.7	.39	.02	1496.
20	11.86	31.97	20	24.29	364.7	.76	.08	1493.
30	10.88	32.15	30	24.60	334.9	1.12	.17	1490.
50	9.39	32.53	50	25.14	283.8	1.74	.42	1486.

DEEPEST MEASUREMENT:

61	8.68	32.73	61	25.42	258.0	2.04	.59	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-079 DATE 21/09/82
POSITION 50-59.5N, 128-43.3W PST 05:06 STATION C017
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.35	31.94	0	24.17	375.4	.00	.00	1495.
10	12.20	31.97	10	24.23	370.3	.37	.02	1495.
20	11.72	32.04	20	24.37	357.4	.74	.07	1493.
30	11.08	32.12	30	24.55	340.4	1.09	.16	1491.
50	9.69	32.46	50	25.05	293.1	1.73	.42	1487.

DEEPEST MEASUREMENT:

66	8.20	32.88	66	25.61	240.1	2.15	.67	1482.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-080 DATE 21/09/82
POSITION 50-57.3N, 128-41.0W PST 05:24 STATION C17A
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.33	31.89	0	24.14	378.5	.00	.00	1495.
10	12.27	31.92	10	24.18	375.3	.38	.02	1495.
20	11.96	31.97	20	24.27	366.4	.75	.08	1494.
30	11.16	32.12	30	24.53	342.2	1.10	.17	1491.
50	9.42	32.49	50	25.12	286.5	1.73	.42	1486.

DEEPEST MEASUREMENT:

71	8.88	32.63	71	25.30	268.9	2.31	.78	1484.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-081 DATE 21/09/82
POSITION 50-55.1N, 128-37.4W PST 05:48 STATION C018
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.32	32.09	0	24.48	346.1	.00	.00	1491.
10	11.17	32.09	10	24.50	344.0	.35	.02	1491.
20	10.20	32.25	20	24.80	316.2	.68	.07	1488.
30	9.26	32.49	30	25.13	284.5	.97	.14	1485.
50	9.03	32.55	50	25.22	276.8	1.53	.37	1484.
75	9.03	32.46	75	25.15	283.5	2.23	.82	1485.
DEEPEST MEASUREMENT:								
72	9.01	32.54	72	25.21	277.6	2.15	.75	1485.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-082 DATE 21/09/82
POSITION 50-53.2N, 128-34.5W PST 06:06 STATION C019
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.50	32.34	0	24.82	313.9	.00	.00	1489.
10	10.05	32.45	10	24.98	298.8	.31	.02	1487.
20	9.96	32.49	20	25.03	294.4	.60	.06	1487.
30	9.84	32.51	30	25.06	291.8	.90	.14	1487.
50	9.68	32.51	50	25.08	289.8	1.48	.37	1487.
DEEPEST MEASUREMENT:								
61	9.58	32.53	61	25.12	286.8	1.80	.55	1487.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-083 DATE 21/09/82
POSITION 50-51.3N, 128-32.2W PST 06:30 STATION CO2C
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.37	32.37	0	24.86	310.0	.00	.00	1488.
10	10.26	32.39	10	24.89	307.0	.31	.02	1488.
20	10.22	32.41	20	24.92	304.5	.61	.06	1488.
30	9.81	32.55	30	25.09	288.5	.92	.14	1487.

DEEPEST MEASUREMENT:

41	9.61	32.58	41	25.15	282.8	1.23	.25	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.37	32.37	21.		10.23	32.42
1.		10.37	32.37	22.		10.20	32.42
2.		10.37	32.37	23.		10.20	32.42
4.		10.36	32.37	24.		10.20	32.41
5.		10.35	32.36	25.		10.19	32.42
6.		10.33	32.37	26.		10.16	32.41
7.		10.30	32.38	27.		10.16	32.42
8.		10.28	32.39	28.		10.11	32.46
9.		10.26	32.41	29.		9.86	32.50
10.		10.26	32.39	30.		9.81	32.55
11.		10.26	32.40	31.		9.78	32.54
12.		10.26	32.39	33.		9.76	32.56
13.		10.25	32.40	34.		9.70	32.57
14.		10.26	32.40	35.		9.72	32.56
15.		10.25	32.39	36.		9.69	32.55
16.		10.26	32.40	37.		9.67	32.58
17.		10.23	32.41	38.		9.65	32.57
18.		10.23	32.40	39.		9.61	32.57
19.		10.22	32.41	40.		9.61	32.58
20.		10.22	32.41	41.		9.61	32.58

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-084 DATE 21/09/82
POSITION 50-49.2N, 128-29.2W PST 06:48 STATION C021
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.30	32.25	0	24.60	334.3	.00	.00	1492.
10	11.03	32.18	10	24.60	335.2	.34	.02	1491.
20	10.21	32.41	20	24.92	304.7	.66	.07	1488.
30	9.82	32.46	30	25.02	294.9	.96	.14	1487.
50	9.50	32.55	50	25.15	283.6	1.54	.38	1486.
75	9.00	32.70	75	25.35	265.0	2.22	.81	1485.

DEEPEST MEASUREMENT:

72	9.08	32.67	72	25.31	268.6	2.14	.75	1485.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-085 DATE 21/09/82
POSITION 50-48.1N, 128-27.3W PST 07:06 STATION C022
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.16	32.12	0	24.53	341.0	.00	.00	1491.
10	10.89	32.18	10	24.62	332.8	.34	.02	1490.
20	10.07	32.40	20	24.94	302.7	.66	.07	1488.
30	9.81	32.47	30	25.03	294.4	.96	.14	1487.
50	8.91	32.68	50	25.34	264.8	1.50	.36	1484.

DEEPEST MEASUREMENT:

67	8.64	32.73	67	25.42	257.5	1.94	.63	1483.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-086 DATE 21/09/82
POSITION 51-11.1N, 328-54.4W PST 14:00 STATION C009
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.55	31.52	0	23.81	409.8	.00	.00	1495.
10	11.21	31.99	10	24.42	352.0	.39	.02	1491.
20	10.21	32.23	20	24.78	318.0	.73	.07	1488.
30	9.37	32.41	30	25.05	292.1	1.04	.15	1485.
50	7.95	32.87	50	25.63	237.2	1.58	.37	1481.
75	7.01	33.44	75	26.21	182.4	2.09	.69	1478.
100	6.79	33.67	99	26.42	162.9	2.53	1.08	1478.
125	6.68	33.79	124	26.53	152.7	2.92	1.52	1478.
150	6.63	33.87	149	26.60	146.7	3.29	2.04	1479.
175	6.51	33.87	174	26.62	145.2	3.65	2.64	1478.
200	6.47	33.91	199	26.65	142.5	4.01	3.33	1479.
225	6.47	33.90	223	26.65	143.2	4.37	4.10	1479.

DEEPEST MEASUREMENT:

229	6.47	33.91	227	26.66	142.3	4.42	4.24	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-087 DATE 21/09/82
POSITION 51-23.0N, 128-54.4W PST 14:24 STATION C008
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	31.53	0	23.82	409.4	.00	.00	1495.
10	11.29	31.96	10	24.38	355.9	.40	.02	1491.
20	10.48	32.11	20	24.64	331.3	.74	.07	1489.
30	10.12	32.23	30	24.79	317.0	1.07	.16	1488.
50	8.60	32.64	50	25.36	263.7	1.65	.39	1483.
75	7.52	33.18	75	25.94	208.8	2.23	.76	1480.
100	6.83	33.62	99	26.38	167.1	2.69	1.17	1478.
125	6.60	33.80	124	26.55	151.4	3.09	1.62	1478.
150	6.46	33.89	149	26.64	142.7	3.45	2.12	1478.
175	6.45	33.91	174	26.65	141.8	3.80	2.72	1478.
200	6.37	33.92	199	26.67	140.5	4.16	3.39	1478.

DEEPEST MEASUREMENT:

215	6.34	33.89	213	26.66	142.3	4.37	3.84	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-088 DATE 21/09/82
POSITION 51-24.4N, 128-54.4W PST 14:42 STATION C007
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.50	31.53	0	23.83	408.3	.00	.00	1495.
10	12.43	31.54	10	23.85	406.4	.41	.02	1495.
20	10.56	32.07	20	24.60	335.5	.78	.08	1489.
30	9.81	32.28	30	24.88	308.2	1.10	.16	1487.
50	9.09	32.49	50	25.16	281.8	1.70	.40	1485.
75	7.31	33.24	75	26.02	201.1	2.29	.77	1479.
100	6.86	33.64	99	26.39	166.0	2.73	1.17	1478.
125	6.70	33.76	124	26.50	155.7	3.13	1.62	1478.
150	6.58	33.80	149	26.56	150.8	3.51	2.16	1478.
175	6.37	33.86	174	26.63	144.3	3.88	2.77	1478.

DEEPEST MEASUREMENT:

194	6.22	33.88	193	26.66	141.1	4.16	3.28	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-089 DATE 21/09/82
POSITION 51-26.2N, 128-54.4W PST 15:00 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.50	31.58	0	23.87	404.8	.00	.00	1495.
10	11.08	31.96	10	24.42	351.6	.39	.02	1491.
20	10.02	32.23	20	24.81	314.9	.72	.07	1487.
30	9.88	32.29	30	24.88	308.8	1.03	.15	1487.
50	8.35	32.79	50	25.51	249.0	1.61	.38	1482.
75	7.21	33.29	75	26.07	196.1	2.15	.73	1479.
100	6.93	33.55	99	26.31	173.8	2.61	1.13	1478.
125	6.65	33.72	124	26.48	157.8	3.02	1.60	1478.
150	6.37	33.86	149	26.63	144.2	3.39	2.12	1477.

DEEPEST MEASUREMENT:

151	6.35	33.86	150	26.63	143.6	3.41	2.15	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-090 DATE 21/09/82
POSITION 51-28.0N, 128-54.4W PST 15:18 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	31.38	0	23.71	419.9	.00	.00	1495.
10	12.24	31.67	10	23.99	393.4	.41	.02	1494.
20	10.23	32.18	20	24.74	322.1	.78	.08	1488.
30	9.85	32.26	30	24.86	310.5	1.09	.16	1487.
50	8.28	32.67	50	25.43	256.8	1.66	.39	1482.
75	7.41	33.18	75	25.95	207.1	2.23	.75	1480.
DEEPEST MEASUREMENT:								
94	6.90	33.57	93	26.33	171.8	2.59	1.06	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-091 DATE 21/09/82
POSITION 51-30.0N, 128-54.4W PST 15:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.97	30.04	0	22.59	526.8	.00	.00	1495.
10	12.47	31.46	10	23.78	413.1	.47	.02	1495.
20	11.71	31.80	20	24.19	374.5	.86	.08	1493.
30	9.99	32.18	30	24.78	318.3	1.20	.17	1487.

DEEPEST MEASUREMENT:

42	9.38	32.42	42	25.06	291.3	1.57	.30	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.97	30.04	22.		11.21	31.94
1.		12.97	30.08	23.		11.14	31.98
2.		12.96	30.12	24.		10.91	32.06
4.		12.83	30.53	26.		10.58	32.10
5.		12.76	30.94	27.		10.44	32.14
6.		12.63	31.25	28.		10.21	32.18
7.		12.61	31.32	29.		10.06	32.18
9.		12.53	31.47	30.		9.99	32.18
10.		12.47	31.46	31.		9.98	32.18
11.		12.50	31.47	32.		9.97	32.16
12.		12.52	31.52	33.		9.94	32.16
13.		12.49	31.54	34.		9.92	32.22
14.		12.46	31.56	35.		9.86	32.24
15.		12.32	31.64	36.		9.75	32.26
16.		12.19	31.68	37.		9.64	32.34
17.		11.98	31.72	38.		9.53	32.37
18.		11.88	31.74	39.		9.47	32.39
19.		11.81	31.76	40.		9.43	32.41
20.		11.71	31.80	41.		9.39	32.44
21.		11.27	31.87	42.		9.38	32.42

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-092 DATE 21/09/82
POSITION 51-?1.1N, 128-54.4W PST 16:12 STATION C003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.91	30.07	0	22.62	523.5	.00	.00	1494.
10	12.53	31.93	10	24.13	379.9	.47	.02	1496.
20	11.40	32.11	20	24.48	346.7	.84	.08	1492.
30	9.70	32.30	30	24.92	304.9	1.16	.16	1486.

DEEPEST MEASUREMENT:

45	8.50	32.73	45	25.44	255.5	1.58	.32	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.91	30.07	25.		10.19	32.20
1.		12.91	30.05	26.		10.04	32.32
2.		12.92	30.06	28.		9.83	32.28
3.		12.91	30.08	29.		9.78	32.29
5.		12.87	30.47	30.		9.70	32.30
6.		12.85	31.13	31.		9.69	32.31
7.		12.81	31.17	32.		9.68	32.40
8.		12.60	31.64	33.		9.24	32.49
10.		12.57	31.93	34.		9.19	32.50
11.		12.35	31.92	35.		9.10	32.52
12.		12.25	31.93	36.		9.03	32.55
14.		12.24	31.97	37.		8.93	32.57
15.		12.06	31.99	38.		8.88	32.57
17.		11.89	32.06	39.		8.80	32.57
19.		11.73	32.09	42.		8.64	32.63
20.		11.40	32.11	43.		8.55	32.72
21.		11.24	32.16	44.		8.53	32.72
23.		11.00	32.19	45.		8.50	32.73

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-093 DATE 21/09/82
POSITION 51-32.4N, 128-54.4W PST 16:30 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.94	30.38	0	22.86	501.0	.00	.00	1495.
10	12.56	31.64	10	23.90	401.3	.48	.02	1495.
20	10.77	32.10	20	24.59	336.3	.85	.08	1490.
30	9.55	32.39	30	25.01	296.1	1.16	.16	1486.

DEEPEST MEASUREMENT:

46	9.31	32.45	46	25.10	288.3	1.63	.34	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.94	30.38	22.		10.32	32.16
1.		12.94	30.38	23.		10.07	32.20
2.		12.93	30.37	24.		10.05	32.23
3.		12.92	30.37	25.		9.84	32.27
4.		12.94	30.35	26.		9.74	32.35
5.		12.95	30.37	27.		9.72	32.36
6.		12.94	30.38	28.		9.64	32.36
7.		12.88	30.51	29.		9.60	32.37
8.		12.74	30.87	30.		9.55	32.39
9.		12.57	31.33	32.		9.48	32.41
10.		12.56	31.64	33.		9.43	32.42
11.		12.47	31.66	34.		9.38	32.42
12.		12.11	31.78	35.		9.35	32.42
13.		11.88	31.98	36.		9.35	32.43
14.		11.83	32.00	37.		9.34	32.43
15.		11.76	32.02	39.		9.32	32.44
16.		11.66	32.02	40.		9.31	32.43
17.		11.62	32.03	42.		9.31	32.45
18.		11.46	32.05	43.		9.31	32.44
19.		11.27	32.06	44.		9.31	32.44
20.		10.77	32.10	45.		9.31	32.44
21.		10.41	32.12	46.		9.31	32.45

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-094
POSITION 51-34.0N, 128-54.4W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 21/09/82
PST 16:48

STATION C001

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.62	30.93	0	23.35	454.2	.00	.00	1495.
10	12.23	31.34	10	23.74	417.4	.45	.02	1494.
20	10.86	32.10	20	24.57	338.3	.82	.08	1490.
30	9.74	32.29	30	24.91	306.2	1.13	.16	1486.

DEEPEST MEASUREMENT:

42	9.69	32.31	42	24.93	304.0	1.49	.29	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.62	30.93	19.		11.11	32.08
1.		12.62	30.93	20.		10.86	32.10
2.		12.62	30.93	21.		10.21	32.22
4.		12.61	30.95	23.		9.93	32.30
5.		12.62	30.93	24.		9.83	32.34
6.		12.61	30.94	26.		9.79	32.33
7.		12.59	30.97	27.		9.75	32.33
8.		12.54	31.04	28.		9.74	32.31
9.		12.42	31.18	30.		9.74	32.29
10.		12.23	31.34	31.		9.73	32.31
11.		12.01	31.62	34.		9.72	32.31
12.		11.96	31.72	35.		9.71	32.31
13.		11.89	31.81	36.		9.68	32.30
14.		11.78	31.85	37.		9.69	32.30
15.		11.75	31.85	38.		9.69	32.32
16.		11.63	31.90	41.		9.68	32.32
17.		11.41	32.00	42.		9.69	32.31
18.		11.32	32.01				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-095 DATE 21/09/82
POSITION 51-35.3N, 128-54.4W PST 17:06 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.74	30.82	0	23.24	464.7	.00	.00	1495.
10	12.44	31.13	10	23.53	437.0	.45	.02	1494.
20	11.57	31.66	20	24.10	382.3	.86	.08	1492.
30	9.94	32.23	30	24.82	314.1	1.21	.17	1487.

DEEPEST MEASUREMENT:

42	9.74	32.27	42	24.89	308.3	1.58	.31	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.74	30.82	20.		11.57	31.66
1.		12.74	30.84	21.		11.54	31.73
2.		12.74	30.85	22.		11.45	31.76
3.		12.74	30.86	23.		11.36	31.78
4.		12.73	30.87	25.		11.22	31.84
5.		12.71	30.89	26.		10.48	32.09
7.		12.63	30.92	27.		10.15	32.18
8.		12.44	31.10	28.		10.04	32.20
9.		12.44	31.11	29.		9.98	32.22
10.		12.44	31.13	30.		9.94	32.23
11.		12.42	31.19	32.		9.91	32.21
12.		12.25	31.26	34.		9.91	32.21
13.		12.11	31.35	36.		9.83	32.23
14.		12.08	31.37	37.		9.80	32.23
15.		12.07	31.42	38.		9.80	32.23
16.		12.02	31.45	39.		9.77	32.26
17.		11.87	31.54	40.		9.76	32.26
18.		11.74	31.62	41.		9.72	32.26
19.		11.67	31.64	42.		9.74	32.27

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-096 DATE 21/09/82
POSITION 51-26.2N, 128-54.4W PST 17:54 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.06	30.45	0	22.89	497.8	.00	.00	1495.
10	12.46	31.59	10	23.88	403.6	.47	.02	1495.
20	11.04	31.98	20	24.45	349.9	.84	.08	1491.
30	9.69	32.35	30	24.96	300.7	1.16	.16	1486.
50	8.87	32.56	50	25.26	273.2	1.74	.39	1484.
75	8.11	32.85	75	25.59	241.7	2.37	.80	1482.

DEEPEST MEASUREMENT:

87	7.59	33.01	86	25.80	222.1	2.65	1.03	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-097 DATE 21/09/82
POSITION 51-28.0N, 128-54.4W PST 18:18 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	31.28	0	23.60	429.9	.00	.00	1495.
10	12.44	31.59	10	23.89	402.9	.42	.02	1495.
20	11.16	31.95	20	24.40	354.4	.79	.08	1491.
30	10.07	32.18	30	24.76	319.9	1.12	.16	1488.
50	9.70	32.29	50	24.91	306.0	1.75	.41	1487.
75	9.36	32.44	75	25.08	290.3	2.49	.89	1486.

DEEPEST MEASUREMENT:

74	9.37	32.42	74	25.07	291.7	2.46	.87	1486.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-098 DATE 21/09/82
POSITION 51-30.0N, 128-54.4W PST 18:36 STATION CC04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.91	29.89	0	22.49	536.6	.00	.00	1494.
10	12.90	30.26	10	22.77	509.4	.54	.03	1495.
20	12.38	31.93	20	24.16	376.7	.97	.09	1495.
30	10.58	32.15	30	24.66	329.6	1.32	.18	1489.

DEEPEST MEASUREMENT:

44	8.64	32.67	44	25.38	261.6	1.74	.33	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.91	29.89	22.		12.38	31.95
1.		12.91	29.87	23.		12.21	32.00
2.		12.91	29.85	25.		12.10	32.04
3.		12.91	29.83	26.		11.56	32.09
4.		12.91	29.82	27.		10.94	32.17
5.		12.91	29.84	28.		10.89	32.16
6.		12.91	29.86	29.		10.84	32.15
7.		12.91	29.89	30.		10.58	32.15
8.		12.92	29.91	31.		10.36	32.22
9.		12.90	30.08	33.		9.79	32.35
10.		12.90	30.26	34.		9.66	32.34
11.		12.91	30.36	35.		9.64	32.35
12.		12.89	30.67	36.		9.49	32.38
13.		12.84	30.94	37.		9.31	32.46
14.		12.78	31.09	39.		9.05	32.52
15.		12.64	31.50	40.		8.84	32.59
16.		12.63	31.60	41.		8.76	32.61
17.		12.64	31.75	42.		8.68	32.65
18.		12.56	31.84	43.		8.64	32.67
19.		12.47	31.88	44.		8.64	32.67
20.		12.38	31.93				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-099 DATE 21/09/82
POSITION 51-31.1N, 128-54.4W PST 18:48 STATION C003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.82	30.45	0	22.94	493.6	.00	.00	1495.
10	12.63	31.14	10	23.50	439.6	.49	.02	1495.
20	11.13	32.07	20	24.50	344.7	.86	.08	1491.
30	9.97	32.27	30	24.85	311.1	1.19	.17	1487.

DEEPEST MEASUREMENT:

41	9.44	32.42	41	25.06	291.8	1.52	.28	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.82	30.45	21.		11.09	32.09
1.		12.82	30.45	22.		11.08	32.09
2.		12.85	30.45	24.		11.03	32.09
3.		12.84	30.44	25.		10.99	32.09
4.		12.83	30.43	27.		10.96	32.17
5.		12.83	30.45	28.		10.12	32.21
7.		12.82	30.47	29.		10.02	32.27
8.		12.82	30.50	30.		9.97	32.27
9.		12.72	30.55	31.		9.95	32.27
10.		12.63	31.14	32.		9.92	32.28
11.		12.29	31.59	33.		9.85	32.29
12.		12.03	31.75	34.		9.65	32.34
13.		11.87	31.91	35.		9.60	32.36
14.		11.86	31.97	36.		9.58	32.36
15.		11.84	31.99	37.		9.54	32.36
17.		11.53	32.05	38.		9.48	32.38
18.		11.28	32.08	39.		9.50	32.37
19.		11.18	32.08	40.		9.49	32.39
20.		11.13	32.07	41.		9.44	32.42

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-100 DATE 21/09/82
POSITION 51-32.4N, 128-54.4W PST 19:06 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.97	0	23.39	450.3	.00	.00	1494.
10	12.40	31.17	10	23.57	433.0	.45	.02	1494.
20	11.91	31.67	20	24.05	387.6	.85	.08	1493.
30	9.93	32.27	30	24.86	310.6	1.21	.17	1487.

DEEPEST MEASUREMENT:

42	9.61	32.36	42	24.98	299.2	1.57	.31	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.97	23.		11.41	31.81
1.		12.57	30.97	24.		11.36	31.81
2.		12.56	30.99	25.		11.23	31.89
4.		12.57	30.99	26.		11.02	31.97
6.		12.57	31.01	27.		10.72	32.11
7.		12.55	31.02	28.		10.13	32.25
8.		12.54	31.03	29.		10.03	32.26
9.		12.52	31.05	30.		9.93	32.27
10.		12.40	31.17	31.		9.87	32.28
11.		12.33	31.25	32.		9.83	32.28
12.		12.25	31.36	33.		9.78	32.30
13.		12.16	31.48	34.		9.76	32.29
14.		12.14	31.49	35.		9.73	32.31
15.		12.11	31.52	36.		9.70	32.32
16.		12.10	31.55	37.		9.67	32.33
17.		12.10	31.55	39.		9.65	32.35
18.		12.09	31.59	40.		9.64	32.33
20.		11.91	31.67	41.		9.61	32.35
21.		11.75	31.68	42.		9.61	32.36
22.		11.59	31.68				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-101 DATE 21/09/82
POSITION 51-34.0N, 128-54.4W PST 19:18 STATION C001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	30.85	0	23.26	462.3	.00	.00	1495.
10	12.19	31.37	10	23.76	414.6	.45	.02	1494.
20	11.49	31.74	20	24.18	375.6	.84	.08	1492.
30	9.81	32.29	30	24.89	307.8	1.17	.17	1487.

DEEPEST MEASUREMENT:

41	9.67	32.31	41	24.93	303.8	1.51	.29	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.70	30.85	22.		11.17	31.90
1.		12.70	30.85	23.		10.48	32.13
2.		12.70	30.85	24.		10.11	32.19
3.		12.68	30.85	25.		10.01	32.24
5.		12.55	30.99	26.		9.93	32.23
6.		12.54	31.01	28.		9.88	32.25
7.		12.52	31.06	29.		9.83	32.27
8.		12.36	31.23	30.		9.81	32.29
9.		12.25	31.27	31.		9.78	32.30
10.		12.19	31.37	32.		9.77	32.27
11.		12.17	31.41	33.		9.75	32.28
12.		12.01	31.42	34.		9.72	32.30
13.		11.99	31.44	35.		9.73	32.29
14.		11.99	31.46	36.		9.72	32.30
15.		11.86	31.51	37.		9.72	32.30
16.		11.84	31.53	38.		9.69	32.33
17.		11.72	31.61	39.		9.65	32.32
19.		11.61	31.68	40.		9.67	32.29
20.		11.49	31.74	41.		9.67	32.31
21.		11.45	31.76				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-102 DATE 21/09/82
POSITION 51-35.3N, 128-54.4W PST 19:36 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.34	31.12	0	23.54	435.5	.00	.00	1494.
10	12.13	31.36	10	23.77	414.3	.43	.02	1493.
20	10.26	32.09	20	24.66	329.0	.79	.08	1488.
30	10.19	32.16	30	24.73	322.9	1.12	.16	1488.

DEEPEST MEASUREMENT:

34	10.09	32.19	34	24.77	319.1	1.25	.20	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.34	31.12	17.		10.41	32.08
1.		12.34	31.12	18.		10.29	32.10
2.		12.34	31.12	19.		10.26	32.10
3.		12.34	31.14	20.		10.26	32.09
4.		12.35	31.15	21.		10.26	32.11
5.		12.35	31.16	22.		10.25	32.13
7.		12.32	31.18	23.		10.22	32.11
8.		12.17	31.29	24.		10.23	32.13
9.		12.15	31.32	26.		10.23	32.13
10.		12.13	31.36	27.		10.22	32.13
12.		11.98	31.45	28.		10.23	32.14
13.		11.70	31.58	29.		10.23	32.15
14.		11.23	31.78	31.		10.15	32.17
15.		10.90	31.92	32.		10.14	32.17
16.		10.70	31.97	34.		10.09	32.19

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-103 DATE 21/09/82
POSITION 51-26.2N, 128-54.4W PST 20:54 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.96	30.47	0	22.93	494.3	.00	.00	1495.
10	12.66	31.74	10	23.96	395.9	.46	.02	1496.
20	10.37	32.14	20	24.69	327.0	.82	.08	1488.
30	9.70	32.33	30	24.94	302.7	1.14	.16	1486.
50	8.76	32.61	50	25.31	267.7	1.70	.39	1484.
75	7.61	32.98	75	25.77	224.6	2.32	.77	1480.
DEEPEST MEASUREMENT:								
73	7.63	32.99	73	25.78	224.0	2.27	.74	1480.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-107 DATE 21/09/82
POSITION 51-30.0N, 128-54.4W PST 22:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.75	30.38	0	22.90	497.2	.00	.00	1494.
10	12.08	31.62	10	23.98	394.5	.46	.02	1494.
20	10.05	32.26	20	24.83	313.1	.80	.07	1487.
30	9.41	32.43	30	25.07	290.5	1.10	.15	1485.

DEEPEST MEASUREMENT:

39	9.26	32.47	39	25.12	285.7	1.36	.24	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.75	30.38	21.		9.92	32.26
3.		12.76	30.34	22.		9.87	32.26
4.		12.76	30.37	23.		9.82	32.31
5.		12.75	30.39	24.		9.76	32.33
6.		12.62	30.64	25.		9.68	32.35
7.		12.08	31.48	26.		9.59	32.38
8.		12.09	31.48	27.		9.56	32.40
9.		12.10	31.55	28.		9.45	32.43
10.		12.08	31.62	29.		9.43	32.42
11.		11.57	31.79	30.		9.41	32.43
12.		11.12	31.99	31.		9.39	32.45
13.		10.98	31.99	33.		9.31	32.45
14.		10.89	32.01	34.		9.28	32.45
15.		10.75	32.06	35.		9.28	32.45
17.		10.36	32.15	36.		9.26	32.47
18.		10.20	32.23	37.		9.26	32.46
19.		10.13	32.23	38.		9.25	32.49
20.		10.05	32.26	39.		9.26	32.47

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO 82-02-108 DATE 21/09/82
POSITION 51-30.0N, 128-54.4W PST 22:48 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.80	29.86	0	22.49	536.5	.00	.00	1494.
10	11.49	31.86	10	24.27	366.0	.47	.02	1492.
20	9.85	32.22	20	24.84	312.7	.81	.07	1487.
30	9.16	32.44	30	25.11	286.4	1.10	.15	1484.

DEEPEST MEASUREMENT:

38	8.46	32.62	38	25.37	262.4	1.32	.22	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.80	29.86	18.		10.01	32.20
1.		12.80	29.95	19.		9.95	32.21
2.		12.80	29.97	20.		9.85	32.22
3.		12.80	29.98	21.		9.76	32.30
4.		12.81	29.99	23.		9.63	32.29
5.		12.77	30.01	25.		9.53	32.32
6.		12.73	31.04	26.		9.48	32.34
7.		12.43	31.73	27.		9.45	32.39
8.		12.08	31.81	28.		9.37	32.42
9.		11.73	31.85	29.		9.28	32.43
11.		11.25	31.88	30.		9.16	32.44
12.		11.02	31.93	31.		9.11	32.48
13.		10.84	31.97	32.		8.95	32.51
14.		10.70	32.00	34.		8.75	32.59
15.		10.45	32.05	35.		8.60	32.62
16.		10.23	32.06	36.		8.49	32.62
17.		10.20	32.06	38.		8.46	32.62

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-110 DATE 21/09/82
POSITION 51-32.4N, 128-54.4W PST 23:12 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.77	30.58	0	23.04	483.4	.00	.00	1495.
10	10.72	32.09	10	24.58	336.7	.42	.02	1489.
20	10.33	32.16	20	24.71	324.7	.75	.07	1488.
30	10.02	32.24	30	24.82	314.8	1.07	.15	1487.

DEEPEST MEASUREMENT:

36	9.92	32.25	36	24.84	312.4	1.26	.21	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.77	30.58	17.		10.51	32.11
1.		12.77	30.54	19.		10.42	32.13
2.		12.73	30.57	20.		10.33	32.16
3.		12.70	30.60	21.		10.23	32.19
4.		12.50	30.86	22.		10.17	32.21
5.		11.85	31.46	23.		10.17	32.20
6.		11.77	31.60	24.		10.17	32.20
7.		11.69	31.79	27.		10.12	32.21
8.		11.29	31.90	28.		10.03	32.22
9.		10.86	32.02	29.		10.03	32.23
10.		10.72	32.09	30.		10.02	32.24
11.		10.71	32.08	31.		10.02	32.24
12.		10.65	32.09	32.		10.00	32.27
13.		10.61	32.09	33.		9.99	32.26
14.		10.57	32.10	34.		9.98	32.26
15.		10.55	32.10	35.		9.93	32.26
16.		10.56	32.10	36.		9.92	32.25

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-111 DATE 21/09/82
POSITION 51-34.0N, 128-54.4W PST 23:24 STATION CC01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.65	30.72	0	23.18	470.5	.00	.00	1494.
10	11.37	31.75	10	24.21	372.4	.43	.02	1491.
20	11.19	31.86	20	24.32	361.4	.79	.08	1491.
30	10.09	32.21	30	24.78	317.9	1.14	.16	1488.

DEEPEST MEASUREMENT:

36	9.81	32.29	36	24.90	307.1	1.33	.23	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.65	30.72	18.		11.19	31.86
1.		12.57	30.81	19.		11.19	31.88
2.		12.49	30.90	20.		11.19	31.86
3.		12.58	30.83	22.		11.19	31.86
4.		12.57	30.85	23.		11.11	31.91
5.		12.56	30.87	25.		11.00	31.96
6.		11.98	31.41	26.		10.64	32.03
7.		11.83	31.51	27.		10.46	32.08
8.		11.79	31.52	28.		10.40	32.12
9.		11.60	31.59	29.		10.26	32.17
10.		11.37	31.75	30.		10.09	32.21
11.		11.28	31.81	31.		9.96	32.24
12.		11.23	31.84	32.		9.88	32.23
13.		11.22	31.84	33.		9.85	32.26
14.		11.21	31.84	34.		9.81	32.30
15.		11.20	31.85	35.		9.81	32.30
16.		11.19	31.85	36.		9.81	32.29
17.		11.19	31.85				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-112 DATE 21/09/82
POSITION 51-35.3N, 128-54.4W PST 23:42 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.55	30.90	0	23.33	455.6	.00	.00	1494.
10	12.50	31.00	10	23.42	447.8	.45	.02	1494.
20	11.26	31.84	20	24.30	364.0	.85	.08	1491.
30	9.92	32.26	30	24.86	311.0	1.19	.17	1487.

DEEPEST MEASUREMENT:

35	9.83	32.29	35	24.89	308.0	1.34	.22	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.55	30.90	16.		11.87	31.57
1.		12.55	30.90	17.		11.61	31.69
2.		12.56	30.89	18.		11.28	31.82
3.		12.56	30.91	19.		11.27	31.83
4.		12.53	30.91	20.		11.26	31.84
5.		12.50	30.96	21.		11.18	31.88
6.		12.53	30.95	23.		10.99	31.95
7.		12.52	30.96	24.		10.28	32.04
8.		12.52	31.00	27.		10.08	32.21
9.		12.50	31.00	28.		10.03	32.26
10.		12.50	31.00	29.		10.01	32.25
11.		12.49	31.00	30.		9.92	32.26
12.		12.46	31.04	31.		9.91	32.27
13.		12.11	31.37	32.		9.90	32.26
14.		12.00	31.46	33.		9.85	32.26
15.		11.97	31.47	35.		9.83	32.29

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-115 DATE 22/09/82
POSITION 51-26.2N, 128-54.4W PST 00:54 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	31.05	0	23.43	446.5	.00	.00	1495.
10	12.43	31.59	10	23.89	402.7	.42	.02	1495.
20	10.41	32.10	20	24.65	330.4	.77	.07	1489.
30	9.65	32.35	30	24.96	300.6	1.09	.15	1486.
50	7.51	33.13	50	25.90	212.0	1.60	.36	1479.
75	6.93	33.58	75	26.34	170.8	2.06	.65	1478.
100	6.70	33.73	99	26.48	157.0	2.47	1.02	1478.
125	6.48	33.84	124	26.60	146.8	2.85	1.45	1478.
150	6.31	33.93	149	26.69	138.0	3.20	1.95	1477.

DEEPEST MEASUREMENT:

147	6.31	33.87	146	26.65	142.2	3.16	1.88	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-116 DATE 22/09/82
POSITION 51-28.0N, 128-54.4W PST 01:12 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	31.05	0	23.43	446.4	.00	.00	1495.
10	11.47	31.80	10	24.23	370.6	.43	.02	1492.
20	9.85	32.28	20	24.88	308.8	.75	.07	1487.
30	8.84	32.63	30	25.32	267.2	1.04	.14	1484.
50	7.23	33.26	50	26.04	198.4	1.48	.32	1478.
75	6.92	33.52	75	26.29	175.2	1.95	.62	1478.

DEEPEST MEASUREMENT:

85	6.74	33.65	84	26.42	163.3	2.12	.76	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-117 DATE 22/09/82
POSITION 51-30.0N, 128-54.4W PST 01:30 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.78	31.48	0	23.74	417.1	.00	.00	1496.
10	11.05	32.01	10	24.46	347.9	.40	.02	1491.
20	9.63	32.36	20	24.98	299.1	.72	.07	1486.
30	8.49	32.82	30	25.51	248.5	1.00	.14	1482.

DEEPEST MEASUREMENT:

45	7.52	33.12	45	25.89	212.3	1.35	.27	1479.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.78	31.48	23.		9.32	32.45
1.		12.78	31.48	26.		9.15	32.56
2.		12.78	31.48	27.		8.86	32.62
3.		12.78	31.48	28.		8.68	32.72
4.		12.78	31.53	29.		8.54	32.79
5.		12.78	31.57	32.		8.37	32.87
7.		12.13	31.58	33.		7.91	32.90
9.		11.49	31.94	34.		7.75	32.93
10.		11.05	32.01	35.		7.76	32.95
11.		10.96	32.03	36.		7.75	32.97
12.		10.92	32.05	37.		7.63	33.00
13.		10.85	32.08	38.		7.61	33.02
14.		10.67	32.12	39.		7.60	33.05
15.		10.51	32.17	40.		7.59	33.07
16.		10.41	32.25	41.		7.57	33.10
17.		9.71	32.34	42.		7.57	33.10
18.		9.66	32.35	43.		7.57	33.09
19.		9.65	32.36	44.		7.57	33.11
20.		9.63	32.36	45.		7.52	33.12
22.		9.60	32.37				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-118 DATE 22/09/82
POSITION 51-31.1N, 128-54.4W PST 01:48 STATION C003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.78	29.99	0	22.59	526.7	.00	.00	1494.
10	12.25	31.90	10	24.16	376.7	.45	.02	1495.
20	10.23	32.18	20	24.74	322.2	.80	.07	1488.
30	8.97	32.49	30	25.18	279.6	1.10	.15	1484.

DEEPEST MEASUREMENT:

37	8.15	32.80	37	25.55	244.9	1.29	.21	1481.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.78	29.99	19.		10.25	32.15
1.		12.78	30.07	20.		10.23	32.18
2.		12.77	30.15	21.		10.07	32.21
3.		12.78	30.15	22.		9.98	32.22
4.		12.73	30.49	23.		9.76	32.23
6.		12.65	31.51	24.		9.61	32.30
7.		12.55	31.66	25.		9.54	32.33
8.		12.52	31.72	27.		9.20	32.45
9.		12.26	31.85	28.		9.10	32.48
10.		12.25	31.90	29.		9.02	32.48
11.		12.23	31.93	30.		8.97	32.49
12.		12.20	31.95	31.		8.92	32.51
13.		11.79	31.98	32.		8.87	32.52
14.		11.66	32.00	33.		8.65	32.58
15.		11.59	32.00	34.		8.39	32.66
16.		11.36	32.06	35.		8.19	32.76
17.		10.80	32.07	36.		8.14	32.78
18.		10.39	32.08	37.		8.15	32.80

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-119 DATE 22/09/82
POSITION 51-32.4N, 128-54.4W PST 02:06 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.72	30.33	0	22.87	500.3	.00	.00	1494.
10	12.78	31.64	10	23.86	405.4	.48	.02	1496.
20	10.13	32.22	20	24.78	317.5	.85	.08	1488.
30	9.05	32.52	30	25.19	278.8	1.14	.15	1484.

DEEPEST MEASUREMENT:

40	8.97	32.54	40	25.22	276.3	1.42	.25	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.72	30.33	19.		10.77	32.16
1.		12.72	30.33	20.		10.13	32.22
2.		12.72	30.34	21.		9.90	32.24
3.		12.72	30.34	22.		9.69	32.29
4.		12.72	30.35	23.		9.61	32.32
5.		12.73	30.36	24.		9.51	32.32
6.		12.73	30.40	26.		9.42	32.32
7.		12.74	30.45	27.		9.26	32.41
8.		12.79	30.83	28.		9.12	32.48
9.		12.81	31.25	29.		9.06	32.52
10.		12.78	31.64	30.		9.05	32.52
11.		12.70	31.85	32.		9.03	32.51
12.		12.63	31.89	34.		9.03	32.51
13.		12.48	31.96	35.		9.04	32.51
14.		12.25	31.97	36.		9.02	32.51
15.		12.12	32.01	37.		9.03	32.51
16.		11.86	32.04	38.		9.01	32.50
17.		11.65	32.09	40.		8.97	32.54
18.		11.30	32.10				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-120 DATE 22/09/82
POSITION 51-34.0N, 128-54.4W PST 02:18 STATION C001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	30.56	0	23.05	482.8	.00	.00	1494.
10	12.37	31.91	10	24.15	378.3	.44	.02	1495.
20	11.23	32.12	20	24.52	343.0	.80	.08	1491.
30	9.75	32.34	30	24.94	302.7	1.12	.16	1487.

DEEPEST MEASUREMENT:

40	9.68	32.35	40	24.96	301.2	1.42	.27	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.67	30.56	21.		10.85	32.18
1.		12.67	30.57	23.		10.75	32.15
2.		12.65	30.55	25.		10.64	32.18
4.		12.67	30.87	26.		10.48	32.29
6.		12.61	31.20	27.		10.12	32.35
7.		12.56	31.40	28.		9.83	32.35
8.		12.36	31.88	29.		9.75	32.34
9.		12.41	31.85	30.		9.75	32.34
10.		12.37	31.91	31.		9.74	32.32
11.		12.33	31.96	32.		9.72	32.31
12.		12.30	31.96	33.		9.73	32.33
13.		12.12	32.00	34.		9.71	32.34
14.		12.05	31.98	35.		9.71	32.35
15.		11.94	32.00	36.		9.70	32.34
16.		11.78	32.02	37.		9.68	32.32
17.		11.67	32.05	38.		9.69	32.30
20.		11.23	32.12	40.		9.68	32.35

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-121 DATE 22/09/82
POSITION 51-35.3N, 128-54.4W PST 02:36 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.88	0	23.32	457.2	.00	.00	1494.
10	12.29	31.79	10	24.07	385.3	.44	.02	1495.
20	10.97	32.02	20	24.49	345.5	.81	.08	1490.
30	9.87	32.30	30	24.89	307.3	1.14	.16	1487.

DEEPEST MEASUREMENT:

39	9.81	32.29	39	24.89	307.7	1.41	.26	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.88	20.		10.97	32.02
1.		12.57	30.88	21.		10.93	32.03
2.		12.57	30.88	22.		10.85	32.04
4.		12.57	30.88	23.		10.79	32.05
5.		12.58	30.88	24.		10.77	32.04
6.		12.58	30.90	26.		10.70	32.09
7.		12.54	30.92	27.		10.21	32.23
8.		12.40	31.28	28.		10.08	32.26
9.		12.32	31.57	29.		9.89	32.28
10.		12.29	31.79	30.		9.87	32.30
11.		12.27	31.83	31.		9.85	32.30
12.		12.19	31.88	32.		9.84	32.29
13.		12.07	31.94	33.		9.81	32.29
14.		11.92	31.97	34.		9.81	32.30
15.		11.74	32.00	35.		9.81	32.31
16.		11.56	32.03	36.		9.81	32.29
17.		11.33	32.01	37.		9.82	32.26
18.		11.14	32.02	39.		9.81	32.29
19.		10.98	32.02				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-123 DATE 22/09/82
POSITION 51-26.2N, 128-54.4W PST 03:36 STATION C006
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.34	31.67	0	23.97	395.1	.00	.00	1494.
10	12.19	31.72	10	24.03	389.1	.39	.02	1494.
20	10.50	32.15	20	24.67	328.7	.74	.07	1489.
30	9.87	32.33	30	24.91	305.4	1.06	.15	1487.
50	8.24	32.79	50	25.53	247.0	1.62	.38	1482.
75	7.19	33.29	75	26.07	195.9	2.16	.72	1479.
100	6.84	33.60	99	26.36	169.1	2.62	1.13	1478.
125	6.68	33.71	124	26.47	158.8	3.03	1.60	1478.

DEEPEST MEASUREMENT:

145	6.43	33.83	144	26.60	146.9	3.33	2.02	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-124 DATE 22/09/82
POSITION 51-28.0N, 128-54.4W PST 04:00 STATION C005
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	31.27	0	23.62	428.7	.00	.00	1495.
10	12.19	31.66	10	23.99	393.4	.41	.02	1494.
20	11.29	31.90	20	24.34	360.0	.80	.08	1491.
30	10.36	32.11	30	24.66	329.2	1.14	.17	1488.
50	9.53	32.36	50	25.00	298.0	1.76	.42	1486.
75	7.56	33.05	75	25.83	219.0	2.40	.82	1480.

DEEPEST MEASUREMENT:

85	7.17	33.32	85	26.09	193.9	2.60	.99	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-125 DATE 22/09/82
POSITION 51-30.0N, 128-54.4W PST 04:24 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.73	30.32	0	22.86	501.2	.00	.00	1494.
10	12.72	31.83	10	24.02	390.0	.47	.02	1496.
20	10.44	32.12	20	24.65	330.1	.82	.08	1489.
30	10.12	32.21	30	24.78	317.8	1.15	.16	1488.

DEEPEST MEASUREMENT:

39	9.54	32.37	39	25.00	297.5	1.42	.26	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.73	30.32	19.		10.59	32.11
1.		12.73	30.32	20.		10.44	32.12
2.		12.73	30.29	21.		10.38	32.13
4.		12.73	30.27	23.		10.27	32.21
5.		12.79	30.52	24.		10.23	32.19
6.		12.81	30.78	25.		10.20	32.20
7.		12.87	31.37	26.		10.15	32.21
8.		12.87	31.61	27.		10.14	32.20
9.		12.87	31.79	28.		10.14	32.20
10.		12.72	31.83	29.		10.13	32.21
11.		12.39	31.86	30.		10.12	32.21
12.		12.09	31.85	31.		10.09	32.20
13.		11.88	31.86	32.		10.06	32.21
14.		11.74	31.87	33.		10.04	32.22
15.		11.50	31.92	34.		10.00	32.25
16.		11.19	31.96	36.		9.78	32.29
17.		10.89	32.02	38.		9.57	32.36
18.		10.86	32.06	39.		9.54	32.37

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-126 DATE 22/09/82
POSITION 51-31.1N, 128-54.4W PST 04:42 STATION C003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.73	30.38	0	22.90	497.4	.00	.00	1494.
10	12.76	30.89	10	23.29	460.2	.49	.02	1495.
20	10.34	32.16	20	24.70	325.3	.87	.08	1488.
30	9.60	32.34	30	24.96	300.6	1.18	.16	1486.

DEEPEST MEASUREMENT:

39	8.58	32.64	39	25.36	262.8	1.44	.25	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.73	30.38	22.		10.23	32.18
1.		12.73	30.38	23.		10.14	32.20
2.		12.74	30.37	24.		10.04	32.23
5.		12.75	30.36	25.		9.82	32.26
6.		12.74	30.36	26.		9.76	32.27
7.		12.76	30.37	27.		9.72	32.27
9.		12.76	30.66	28.		9.66	32.28
10.		12.76	30.89	29.		9.62	32.31
11.		12.75	31.01	30.		9.60	32.34
12.		12.63	31.57	31.		9.53	32.36
13.		12.48	31.80	32.		9.44	32.42
14.		12.20	31.83	33.		9.25	32.49
15.		11.81	31.90	34.		9.14	32.48
16.		11.61	31.95	35.		9.08	32.52
17.		11.28	31.98	36.		8.96	32.55
18.		10.94	32.08	37.		8.77	32.64
19.		10.46	32.15	38.		8.66	32.63
20.		10.34	32.16	39.		8.58	32.64
21.		10.29	32.17				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-127 DATE 22/09/82
POSITION 51-32.4N, 128-54.4W PST 05:06 STATION C002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.71	30.47	0	22.97	490.0	.00	.00	1494.
10	12.63	30.67	10	23.14	473.9	.49	.02	1494.
20	10.40	32.26	20	24.77	318.8	.85	.08	1489.
30	9.54	32.37	30	25.00	297.6	1.16	.16	1486.

DEEPEST MEASUREMENT:

36	9.40	32.42	36	25.06	291.1	1.33	.22	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.71	30.47	18.		10.74	32.11
1.		12.71	30.47	19.		10.66	32.15
2.		12.71	30.47	20.		10.40	32.26
3.		12.71	30.46	21.		10.16	32.28
4.		12.70	30.44	22.		9.97	32.29
5.		12.70	30.43	23.		9.80	32.31
6.		12.69	30.45	24.		9.72	32.38
7.		12.69	30.43	25.		9.69	32.38
8.		12.72	30.44	26.		9.59	32.36
9.		12.75	30.54	27.		9.58	32.38
10.		12.63	30.67	28.		9.58	32.37
11.		12.52	31.57	29.		9.56	32.38
12.		12.08	31.78	30.		9.54	32.37
13.		11.98	31.82	31.		9.53	32.38
14.		11.48	31.94	32.		9.51	32.38
15.		11.43	31.97	34.		9.44	32.41
16.		11.38	32.00	35.		9.43	32.41
17.		11.22	32.06	36.		9.40	32.42

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-128 DATE 22/09/82
POSITION 51-34.0N, 128-54.4W PST 05:24 STATION C001
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	30.90	0	23.33	455.7	.00	.00	1494.
10	12.38	31.64	10	23.93	398.4	.45	.02	1495.
20	10.49	32.21	20	24.71	324.2	.82	.08	1489.
30	9.75	32.33	30	24.94	303.2	1.12	.16	1487.

DEEPEST MEASUREMENT:

40	9.70	32.33	40	24.94	303.2	1.43	.26	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.56	30.90	21.		10.26	32.22
1.		12.56	30.90	22.		9.95	32.30
2.		12.56	30.90	23.		9.94	32.31
4.		12.57	30.90	24.		9.90	32.32
5.		12.59	30.87	25.		9.81	32.37
6.		12.56	30.89	27.		9.80	32.35
7.		12.55	30.88	28.		9.79	32.29
8.		12.54	30.89	29.		9.75	32.31
9.		12.46	31.02	30.		9.75	32.33
10.		12.38	31.64	31.		9.74	32.31
11.		12.38	31.69	32.		9.72	32.31
12.		12.29	31.77	33.		9.72	32.33
13.		12.20	31.87	34.		9.72	32.34
14.		12.14	31.93	35.		9.72	32.33
15.		11.96	31.99	36.		9.71	32.33
16.		11.79	31.99	37.		9.70	32.33
17.		11.63	32.00	38.		9.70	32.32
18.		10.96	32.10	39.		9.70	32.34
19.		10.52	32.15	40.		9.70	32.33
20.		10.49	32.21				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-130 DATE 22/09/82
POSITION 51-35.3N, 128-54.4W PST 05:54 STATION C000
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.39	31.17	0	23.57	432.7	.00	.00	1494.
10	12.04	31.69	10	24.04	388.6	.44	.02	1494.
20	11.48	32.03	20	24.40	353.9	.80	.08	1492.
30	9.89	32.32	30	24.90	306.6	1.13	.16	1487.

DEEPEST MEASUREMENT:

38	9.75	32.31	38	24.92	304.9	1.37	.25	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.39	31.17	19.		11.53	32.02
1.		12.42	31.09	21.		11.44	32.04
3.		12.49	30.93	22.		11.31	32.08
4.		12.52	30.94	23.		11.11	32.14
5.		12.45	31.04	24.		10.61	32.14
6.		12.38	31.14	25.		10.38	32.19
8.		12.40	31.17	26.		10.16	32.26
9.		12.22	31.18	27.		10.02	32.27
10.		12.04	31.69	28.		9.94	32.30
11.		11.99	31.79	29.		9.93	32.32
12.		11.99	31.84	30.		9.89	32.32
13.		11.98	31.87	31.		9.86	32.26
14.		11.77	31.94	32.		9.84	32.25
15.		11.68	31.97	33.		9.85	32.28
16.		11.64	31.98	34.		9.80	32.31
17.		11.63	32.01	37.		9.79	32.30
18.		11.56	32.03	38.		9.75	32.31

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-132 DATE 22/09/82
POSITION 51-37.3N, 128-46.4W PST 13:30 STATION GI01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.54	30.45	0	22.99	488.4	.00	.00	1494.
10	12.25	31.23	10	23.64	426.1	.45	.02	1494.
20	11.80	31.54	20	23.96	395.7	.87	.09	1493.
30	10.36	32.17	30	24.71	325.3	1.22	.17	1489.

DEEPEST MEASUREMENT:

31	10.36	32.17	31	24.71	324.8	1.25	.18	1489.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.54	30.45	17.		12.21	31.24
1.		12.48	30.45	18.		12.09	31.30
2.		12.41	30.51	19.		11.89	31.43
4.		12.36	30.62	20.		11.80	31.54
5.		12.34	31.00	21.		11.70	31.65
6.		12.32	31.14	22.		11.49	31.80
7.		12.29	31.22	23.		11.23	31.93
8.		12.25	31.25	24.		10.69	31.98
9.		12.23	31.24	25.		10.66	32.11
10.		12.25	31.23	26.		10.52	32.15
11.		12.25	31.24	27.		10.45	32.17
12.		12.25	31.24	28.		10.40	32.17
13.		12.25	31.24	29.		10.37	32.15
14.		12.24	31.25	30.		10.36	32.17
15.		12.24	31.25	31.		10.36	32.17
16.		12.23	31.23				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-134 DATE 22/09/82
POSITION 51-40.3N, 128-36.4W PST 14:24 STATION GI03
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.76	29.67	0	22.34	550.3	.00	.00	1493.
10	12.18	31.59	10	23.94	398.4	.52	.02	1494.
20	10.48	32.16	20	24.68	327.5	.86	.08	1489.
30	9.39	32.46	30	25.09	288.5	1.17	.15	1485.

DEEPEST MEASUREMENT:

35	9.25	32.48	35	25.13	284.7	1.31	.20	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.76	29.67	19.		10.48	32.14
1.		12.76	29.57	20.		10.48	32.16
2.		12.77	29.58	21.		9.99	32.31
4.		12.77	29.58	23.		9.74	32.28
5.		12.78	29.61	24.		9.70	32.30
6.		12.68	29.64	25.		9.71	32.31
7.		12.58	30.25	26.		9.70	32.32
8.		12.41	31.24	27.		9.54	32.39
9.		12.34	31.38	28.		9.47	32.43
10.		12.18	31.59	29.		9.44	32.44
11.		12.05	31.76	30.		9.39	32.46
12.		11.58	31.95	31.		9.36	32.44
13.		11.25	32.04	32.		9.29	32.45
14.		11.09	32.06	33.		9.28	32.45
15.		10.96	32.08	34.		9.25	32.46
16.		10.88	32.11	35.		9.25	32.48
17.		10.74	32.12				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-135 DATE 22/09/82
POSITION 51-41.0N, 128-34.0W PST 14:42 STATION GI04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.92	29.20	0	21.95	587.5	.00	.00	1493.
10	12.63	30.02	10	22.64	522.3	.56	.03	1494.
20	10.53	32.11	20	24.64	331.6	.94	.08	1489.
30	9.79	32.37	30	24.96	300.8	1.26	.17	1487.
50	8.55	32.65	50	25.37	262.2	1.82	.39	1483.
75	7.58	33.11	75	25.87	214.7	2.43	.78	1480.
100	7.19	33.41	99	26.16	187.6	2.93	1.22	1479.
125	6.78	33.59	124	26.36	169.4	3.37	1.73	1478.

DEEPEST MEASUREMENT:

127	6.53	33.65	126	26.44	161.4	3.41	1.78	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-136 DATE 22/09/82
POSITION 51-42.4N, 128-28.3W PST 15:12 STATION GI05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.70	27.66	0	20.81	697.4	.00	.00	1491.
10	12.39	31.15	10	23.56	434.3	.57	.03	1494.
20	10.76	32.14	20	24.62	333.4	.93	.08	1490.
30	9.84	32.30	30	24.90	306.8	1.25	.16	1487.
50	8.88	32.68	50	25.35	264.7	1.81	.39	1484.
75	7.76	33.07	75	25.82	220.2	2.43	.78	1481.
100	7.02	33.36	99	26.15	188.6	2.94	1.24	1479.
125	6.80	33.63	124	26.39	166.1	3.38	1.74	1479.

DEEPEST MEASUREMENT:

141	6.57	33.76	140	26.52	153.9	3.64	2.09	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-137 DATE 22/09/82
POSITION 51-37.3N, 128-46.4W PST 16:30 STATION GI01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PPESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.72	30.25	0	22.80	506.7	.00	.00	1494.
10	12.38	30.82	10	23.30	458.5	.49	.02	1494.
20	10.42	32.19	20	24.71	324.4	.89	.08	1489.
30	10.27	32.19	30	24.74	322.2	1.21	.17	1488.

DEEPEST MEASUREMENT:

33	10.26	32.20	33	24.75	321.0	1.31	.20	1488.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.72	30.25	17.		11.69	31.59
1.		12.72	30.25	18.		11.05	32.11
2.		12.72	30.25	19.		10.86	32.14
3.		12.71	30.27	20.		10.42	32.19
4.		12.64	30.29	21.		10.31	32.22
5.		12.52	30.51	22.		10.30	32.21
7.		12.43	30.73	24.		10.28	32.21
8.		12.41	30.78	25.		10.28	32.20
9.		12.39	30.79	26.		10.28	32.19
10.		12.38	30.82	28.		10.27	32.18
11.		12.33	30.86	29.		10.27	32.19
12.		12.23	31.08	30.		10.27	32.19
13.		12.16	31.21	31.		10.27	32.22
14.		12.15	31.22	32.		10.26	32.23
15.		12.11	31.27	33.		10.26	32.20
16.		12.07	31.31				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-138 DATE 22/09/82
POSITION 51-39.2N, 128-40.4W PST 17:00 STATION GI02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.20	30.55	0	23.13	474.8	.00	.00	1493.
10	11.42	31.77	10	24.21	371.9	.42	.02	1492.
20	10.52	32.14	20	24.65	330.0	.77	.07	1489.
30	10.09	32.22	30	24.79	317.0	1.09	.15	1488.

DEEPEST MEASUREMENT:

34	9.98	32.25	34	24.83	313.4	1.22	.20	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.20	30.55	17.		10.83	32.03
1.		12.20	30.55	18.		10.79	32.07
2.		12.25	30.50	19.		10.61	32.16
3.		12.22	30.57	20.		10.52	32.14
4.		12.20	30.64	21.		10.43	32.14
5.		11.68	31.60	22.		10.37	32.15
6.		11.54	31.67	23.		10.30	32.17
7.		11.52	31.72	24.		10.20	32.22
8.		11.52	31.73	26.		10.18	32.18
9.		11.51	31.75	28.		10.12	32.21
10.		11.42	31.77	29.		10.10	32.23
11.		11.34	31.86	30.		10.09	32.22
12.		11.21	31.94	31.		10.07	32.23
13.		11.19	31.95	32.		10.03	32.23
14.		11.08	31.99	33.		10.00	32.25
15.		10.95	32.02	34.		9.98	32.25
16.		10.86	32.03				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-139 DATE 22/09/82
POSITION 51-40.3N, 128-36.5W PST 17:24 STATION GI03
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.84	29.52	0	22.21	562.6	.00	.00	1494.
10	10.82	31.94	10	24.45	349.0	.46	.02	1490.
20	10.12	32.25	20	24.81	314.8	.79	.07	1488.
30	9.09	32.51	30	25.18	279.8	1.09	.15	1484.

DEEPEST MEASUREMENT:

37	8.91	32.57	37	25.25	273.4	1.28	.21	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.84	29.52	19.		10.16	32.26
1.		12.84	29.52	20.		10.12	32.25
2.		12.84	29.59	21.		10.08	32.29
3.		12.81	29.67	22.		9.90	32.33
4.		12.73	29.88	23.		9.79	32.36
5.		12.34	30.60	24.		9.50	32.43
6.		12.04	31.26	25.		9.35	32.46
7.		11.61	31.69	26.		9.25	32.48
8.		11.09	31.86	28.		9.17	32.51
9.		10.95	31.93	29.		9.09	32.53
11.		10.69	31.95	30.		9.09	32.51
12.		10.67	31.96	31.		9.08	32.51
13.		10.66	32.05	32.		9.07	32.54
14.		10.64	32.14	33.		8.98	32.56
15.		10.44	32.18	34.		8.95	32.59
18.		10.30	32.23	37.		8.91	32.57

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-140 DATE 22/09/82
POSITION 51-41.0N, 128-34.0W PST 17:42 STATION GI04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.87	28.85	0	21.70	612.2	.00	.00	1493.
10	12.67	30.73	10	23.18	470.7	.60	.03	1495.
20	10.60	32.14	20	24.65	330.8	.99	.09	1489.
30	9.37	32.37	30	25.02	294.9	1.30	.17	1485.
50	8.30	32.77	50	25.50	249.7	1.84	.39	1482.
75	7.44	33.23	75	25.99	203.6	2.39	.73	1480.
100	7.00	33.50	99	26.26	178.0	2.87	1.16	1479.
125	6.50	33.78	124	26.54	151.6	3.28	1.63	1477.

DEEPEST MEASUREMENT:

125	6.50	33.78	124	26.54	151.6	3.28	1.63	1477.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-141 DATE 22/09/82
POSITION 51-42.4N, 128-28.3W PST 18:18 STATION GI05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	28.76	0	21.67	614.5	.00	.00	1492.
10	12.18	31.41	10	23.80	411.4	.51	.02	1494.
20	10.61	32.10	20	24.61	333.8	.88	.08	1489.
30	9.82	32.29	30	24.89	307.3	1.21	.16	1487.
50	8.79	32.68	50	25.36	263.1	1.76	.39	1484.
75	7.85	32.98	75	25.73	228.0	2.38	.78	1481.
100	7.10	33.31	99	26.10	193.6	2.91	1.25	1479.
125	6.77	33.64	124	26.40	165.1	3.35	1.75	1478.

DEEPEST MEASUREMENT:

146	6.58	33.75	145	26.52	154.7	3.69	2.22	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-142 DATE 22/09/82
POSITION 51-37.3N, 128-46.4W PST 19:24 STATION GI01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.47	30.69	0	23.19	469.2	.00	.00	1494.
10	12.00	31.44	10	23.85	406.2	.45	.02	1493.
20	10.27	32.19	20	24.74	322.2	.81	.08	1488.
30	10.19	32.19	30	24.75	320.6	1.13	.16	1488.

DEEPEST MEASUREMENT:

31	10.19	32.20	31	24.76	320.1	1.16	.17	1488.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.47	30.69	17.		10.41	32.12
1.		12.47	30.69	18.		10.34	32.15
2.		12.47	30.75	19.		10.31	32.17
4.		12.42	30.77	20.		10.27	32.19
5.		12.45	30.78	21.		10.23	32.20
6.		12.41	31.01	22.		10.22	32.20
7.		12.22	31.24	23.		10.23	32.19
8.		12.21	31.24	24.		10.20	32.19
9.		12.19	31.28	25.		10.19	32.21
10.		12.00	31.44	26.		10.20	32.20
11.		11.87	31.55	27.		10.20	32.20
12.		11.78	31.62	28.		10.19	32.22
13.		11.64	31.69	29.		10.19	32.20
15.		11.32	31.84	30.		10.19	32.19
16.		10.50	32.09	31.		10.19	32.20

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-143 DATE 22/09/82
POSITION 51-39.1N, 128-40.4W PST 20:00 STATION GI02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	29.56	0	22.30	554.5	.00	.00	1493.
10	10.91	31.89	10	24.40	354.4	.49	.02	1490.
20	10.04	32.26	20	24.83	313.0	.81	.07	1487.
30	9.87	32.27	30	24.87	309.5	1.13	.15	1487.

DEEPEST MEASUREMENT:

29	9.87	32.28	29	24.88	308.8	1.10	.14	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.56	29.56	14.		10.26	32.25
1.		12.56	29.56	16.		10.16	32.26
2.		12.56	29.55	17.		10.10	32.27
3.		12.57	29.53	18.		10.07	32.25
4.		12.56	29.56	19.		10.04	32.25
5.		12.53	29.62	20.		10.04	32.26
6.		12.06	30.47	21.		10.02	32.27
7.		11.76	31.16	22.		10.00	32.27
8.		11.59	31.26	23.		9.98	32.27
9.		11.35	31.69	24.		9.93	32.28
10.		10.91	31.89	26.		9.89	32.29
11.		10.78	31.96	27.		9.89	32.30
12.		10.62	32.06	28.		9.87	32.29
13.		10.50	32.18	29.		9.87	32.28

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-144 DATE 22/09/82
POSITION 51-40.3N, 128-36.4W PST 20:24 STATION GI03
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	28.99	0	21.84	598.2	.00	.00	1492.
10	11.76	31.49	10	23.93	398.5	.51	.02	1492.
20	10.76	32.15	20	24.62	332.8	.87	.08	1490.
30	10.01	32.41	30	24.95	301.9	1.19	.16	1488.
50	8.63	32.59	50	25.31	267.9	1.76	.39	1483.
75	7.62	33.08	75	25.85	217.3	2.36	.77	1480.
100	7.24	33.35	99	26.11	192.3	2.87	1.23	1479.
DEEPEST MEASUREMENT:								
121	6.85	33.57	120	26.34	171.1	3.26	1.66	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-146 DATE 22/09/82
POSITION 51-42.4N, 128-28.3W PST 21:18 STATION GI05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.97	28.61	0	21.68	613.9	.00	.00	1489.
10	12.46	30.71	10	23.21	467.8	.58	.03	1494.
20	11.59	32.03	20	24.38	356.0	.97	.09	1493.
30	10.14	32.38	30	24.91	306.1	1.30	.17	1488.
50	8.77	32.67	50	25.36	263.6	1.86	.40	1484.
75	7.72	33.10	75	25.85	217.3	2.47	.78	1481.
100	6.92	33.51	99	26.28	176.4	2.97	1.22	1478.
125	6.64	33.71	124	26.48	158.1	3.38	1.70	1478.
DEEPEST MEASUREMENT:								
142	6.54	33.73	141	26.50	155.7	3.65	2.06	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-147
POSITION 51-37.3N, 128-46.4W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 22/09/82
PST 22:30

STATION GI01

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.32	30.42	0	23.00	487.2	.00	.00	1493.
10	11.52	31.74	10	24.17	375.6	.45	.02	1492.
20	10.22	32.19	20	24.75	320.8	.79	.07	1488.
30	10.14	32.21	30	24.77	318.7	1.11	.15	1488.

DEEPEST MEASUREMENT:

32	10.14	32.21	32	24.78	318.6	1.17	.17	1488.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.32	30.42	15.		10.49	32.13
1.		12.32	30.44	16.		10.47	32.11
2.		12.31	30.47	17.		10.46	32.13
3.		12.29	30.55	19.		10.42	32.14
4.		12.29	30.56	19.		10.38	32.15
5.		12.28	30.58	20.		10.22	32.19
6.		12.18	30.71	21.		10.17	32.22
7.		12.06	31.04	23.		10.16	32.20
8.		11.92	31.45	24.		10.15	32.19
9.		11.70	31.61	26.		10.15	32.21
10.		11.52	31.74	28.		10.15	32.22
11.		11.28	31.95	30.		10.14	32.21
12.		10.85	31.99	31.		10.14	32.19
13.		10.80	32.02	32.		10.14	32.21
14.		10.54	32.12				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-148 DATE 22/09/82
POSITION 51-39.2N, 128-40.4W PST 23:06 STATION GI02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	28.96	0	21.82	600.4	.00	.00	1492.
10	12.62	30.21	10	22.79	508.0	.59	.03	1494.
20	10.60	32.14	20	24.65	330.8	.98	.09	1489.
30	9.52	32.38	30	25.01	296.1	1.29	.17	1486.

DEEPEST MEASUREMENT:

30	9.52	32.38	30	25.01	296.1	1.29	.17	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.64	28.96	16.		11.69	31.85
1.		12.64	28.96	17.		11.21	32.04
2.		12.64	28.96	18.		10.90	32.14
3.		12.64	28.94	19.		10.81	32.12
4.		12.64	28.98	20.		10.60	32.14
5.		12.64	29.02	21.		10.48	32.16
6.		12.64	29.00	22.		10.47	32.15
7.		12.65	29.08	23.		10.45	32.19
8.		12.66	29.16	24.		10.25	32.23
9.		12.65	29.53	25.		9.89	32.32
10.		12.62	30.21	26.		9.78	32.33
11.		12.24	31.01	27.		9.73	32.38
12.		12.26	31.14	28.		9.60	32.38
13.		12.19	31.29	29.		9.53	32.38
14.		12.13	31.66	30.		9.52	32.38
15.		11.99	31.81				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-150 DATE 22/09/82
POSITION 51-40.3N, 128-36.5W PST 23:42 STATION GI03
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	28.20	0	21.26	653.7	.00	.00	1491.
10	12.10	31.41	10	23.81	410.4	.56	.03	1493.
20	10.66	32.19	20	24.68	327.9	.91	.08	1490.
30	9.62	32.41	30	25.02	295.6	1.22	.16	1486.

DEEPEST MEASUREMENT:

42	9.13	32.51	42	25.18	280.4	1.57	.28	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.52	28.20	22.		10.48	32.25
1.		12.52	28.20	23.		10.40	32.28
2.		12.52	28.20	24.		10.26	32.29
4.		12.52	28.82	25.		10.14	32.30
5.		12.67	29.13	26.		10.05	32.29
6.		12.69	30.18	27.		9.98	32.34
7.		12.65	30.27	28.		9.77	32.39
8.		12.48	30.89	30.		9.62	32.41
9.		12.13	31.32	31.		9.47	32.42
10.		12.10	31.41	32.		9.37	32.43
12.		11.59	31.68	33.		9.18	32.44
13.		11.19	31.84	34.		9.14	32.49
14.		11.14	31.91	35.		9.15	32.49
15.		11.08	31.93	36.		9.15	32.49
16.		11.02	32.07	37.		9.15	32.51
17.		10.86	32.13	38.		9.15	32.49
18.		10.71	32.14	39.		9.15	32.50
19.		10.66	32.18	40.		9.12	32.53
20.		10.66	32.19	42.		9.13	32.51
21.		10.62	32.20				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-151 DATE 22/09/82
POSITION 51-41.1N, 128-34.0W PST 24:00 STATION GI04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.36	28.94	0	21.86	596.6	.00	.00	1491.
10	11.77	31.69	10	24.09	383.4	.55	.03	1493.
20	10.59	32.13	20	24.64	331.8	.90	.08	1489.
30	9.44	32.39	30	25.03	294.4	1.21	.16	1485.
50	8.42	32.66	50	25.40	259.4	1.76	.38	1482.
75	7.69	33.01	75	25.78	223.2	2.37	.77	1480.
100	7.10	33.44	99	26.20	184.0	2.88	1.22	1479.

DEEPEST MEASUREMENT:

105	7.05	33.47	104	26.23	181.4	2.97	1.31	1479.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-152 DATE 23/09/82
POSITION 51-42.4N, 128-28.3W PST 00:30 STATION GI05
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.11	29.04	0	21.98	585.2	.00	.00	1490.
10	12.12	31.59	10	23.95	396.9	.51	.02	1494.
20	11.06	32.10	20	24.53	341.4	.88	.08	1491.
30	9.74	32.35	30	24.95	301.9	1.20	.16	1487.
50	8.60	32.61	50	25.33	265.7	1.78	.39	1483.
75	7.70	33.13	75	25.87	215.1	2.38	.78	1481.
100	7.07	33.36	99	26.14	189.4	2.90	1.24	1479.
125	6.82	33.65	124	26.40	165.0	3.34	1.74	1479.

DEEPEST MEASUREMENT:

141	6.55	33.76	140	26.53	153.4	3.59	2.08	1478.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-153 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 02:48 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	31.41	0	23.71	420.0	.00	.00	1495.
10	12.67	31.41	10	23.71	420.2	.42	.02	1495.
20	11.53	31.98	20	24.36	358.2	.82	.08	1492.
30	10.08	32.25	30	24.81	314.9	1.15	.17	1488.
50	7.20	33.17	50	25.98	204.5	1.67	.37	1478.

DEEPEST MEASUREMENT:

47	7.67	33.03	47	25.80	221.6	1.61	.33	1480.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.67	31.41	24.		10.47	32.17
1.		12.67	31.41	25.		10.43	32.18
2.		12.67	31.41	26.		10.38	32.20
3.		12.67	31.41	27.		10.31	32.20
4.		12.67	31.41	28.		10.19	32.24
5.		12.67	31.41	29.		10.11	32.24
6.		12.67	31.41	30.		10.08	32.25
7.		12.67	31.41	31.		10.07	32.26
8.		12.67	31.41	32.		10.08	32.28
9.		12.67	31.41	33.		10.06	32.31
10.		12.67	31.41	34.		9.98	32.32
11.		12.67	31.41	35.		9.76	32.36
12.		12.67	31.41	36.		9.67	32.39
13.		12.67	31.40	37.		9.66	32.40
14.		12.63	31.49	38.		9.59	32.42
15.		12.60	31.57	39.		9.23	32.46
16.		12.52	31.66	41.		9.06	32.53
17.		12.46	31.67	42.		8.76	32.67
18.		12.24	31.77	43.		8.35	32.83
19.		11.84	31.91	44.		8.13	32.89
20.		11.53	31.98	45.		8.06	32.91
21.		11.08	32.06	46.		7.82	32.98
22.		10.91	32.15	47.		7.67	33.03
23.		10.85	32.16				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-154 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 03:06 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.69	31.24	0	23.57	432.9	.00	.00	1495.
10	12.67	31.34	10	23.65	425.4	.43	.02	1495.
20	12.41	31.68	20	23.96	395.8	.85	.09	1495.
30	10.34	32.20	30	24.73	322.7	1.20	.18	1489.

DEEPEST MEASUREMENT:

44	8.68	32.64	44	25.35	264.4	1.62	.33	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.69	31.24	21.		12.34	31.72
1.		12.69	31.24	22.		12.28	31.74
2.		12.69	31.24	23.		12.11	31.83
3.		12.69	31.23	24.		11.55	31.97
4.		12.69	31.21	25.		11.27	32.02
5.		12.69	31.18	26.		11.19	32.05
6.		12.69	31.19	27.		10.98	32.06
7.		12.69	31.24	28.		10.60	32.13
8.		12.68	31.29	29.		10.41	32.18
9.		12.67	31.33	31.		10.28	32.22
10.		12.67	31.34	32.		10.08	32.27
11.		12.66	31.37	33.		9.94	32.32
12.		12.65	31.40	34.		9.79	32.37
13.		12.66	31.42	36.		9.72	32.36
14.		12.64	31.45	37.		9.71	32.36
15.		12.64	31.47	38.		9.70	32.33
16.		12.62	31.51	39.		9.65	32.35
17.		12.62	31.53	40.		9.45	32.40
18.		12.58	31.54	41.		9.21	32.46
19.		12.54	31.58	43.		9.06	32.52
20.		12.41	31.68	44.		8.68	32.64

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-156 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 03:42 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	30.76	0	23.20	468.3	.00	.00	1494.
10	12.64	31.41	10	23.71	419.9	.44	.02	1495.
20	12.08	31.85	20	24.15	377.7	.85	.08	1494.
30	9.92	32.33	30	24.90	306.4	1.18	.17	1487.

DEEPEST MEASUREMENT:

43	8.81	32.59	43	25.28	270.4	1.56	.31	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.68	30.76	23.		11.00	32.03
1.		12.68	30.76	24.		10.86	32.05
2.		12.68	30.91	25.		10.50	32.13
3.		12.69	31.07	26.		10.38	32.19
4.		12.69	31.14	27.		10.37	32.19
5.		12.69	31.16	28.		10.32	32.23
6.		12.69	31.16	29.		10.04	32.30
8.		12.69	31.16	30.		9.92	32.33
9.		12.66	31.30	31.		9.86	32.35
10.		12.64	31.41	32.		9.72	32.37
11.		12.64	31.46	34.		9.68	32.37
12.		12.63	31.49	35.		9.67	32.36
13.		12.61	31.52	36.		9.64	32.37
14.		12.61	31.52	37.		9.54	32.41
16.		12.52	31.60	38.		9.40	32.41
17.		12.47	31.64	39.		9.24	32.44
18.		12.36	31.71	40.		9.06	32.56
19.		12.19	31.81	41.		8.99	32.58
20.		12.08	31.85	42.		8.82	32.60
21.		11.81	31.95	43.		8.81	32.59
22.		11.17	32.03				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-157 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 04:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.63	30.59	0	23.08	479.8	.00	.00	1494.
10	12.62	31.43	10	23.73	418.2	.45	.02	1495.
20	12.20	31.75	20	24.06	386.8	.86	.08	1494.
30	10.05	32.29	30	24.85	311.0	1.19	.17	1488.

DEEPEST MEASUREMENT:

44	8.86	32.59	44	25.28	270.9	1.60	.32	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.63	30.59	23.		10.91	32.10
1.		12.63	30.61	24.		10.72	32.13
2.		12.63	30.62	25.		10.55	32.16
3.		12.65	30.69	26.		10.42	32.18
4.		12.68	30.76	27.		10.39	32.19
5.		12.69	31.01	28.		10.31	32.19
6.		12.68	31.23	29.		10.11	32.28
7.		12.67	31.29	30.		10.05	32.29
8.		12.64	31.35	31.		10.02	32.31
9.		12.63	31.41	33.		9.83	32.36
10.		12.62	31.43	34.		9.71	32.37
12.		12.62	31.44	35.		9.67	32.36
13.		12.62	31.45	36.		9.65	32.36
14.		12.62	31.48	37.		9.61	32.36
15.		12.61	31.48	38.		9.53	32.35
16.		12.59	31.52	39.		9.46	32.39
17.		12.43	31.65	40.		9.31	32.44
18.		12.37	31.66	41.		9.17	32.47
19.		12.33	31.71	42.		9.05	32.51
20.		12.20	31.75	43.		8.96	32.51
21.		11.64	31.94	44.		8.86	32.59
22.		11.14	32.03				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-158 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 04:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.63	30.70	0	23.16	472.0	.00	.00	1494.
10	12.64	31.43	10	23.73	418.1	.45	.02	1495.
20	12.20	31.80	20	24.09	383.6	.85	.08	1494.
30	10.25	32.22	30	24.77	319.2	1.19	.17	1488.

DEEPEST MEASUREMENT:

44	9.08	32.49	44	25.16	281.8	1.61	.33	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.63	30.70	23.		10.62	32.10
1.		12.63	30.70	24.		10.53	32.19
2.		12.66	30.80	25.		10.46	32.17
3.		12.69	30.91	26.		10.44	32.15
4.		12.70	30.88	27.		10.39	32.15
5.		12.69	30.91	28.		10.38	32.18
6.		12.71	30.93	29.		10.33	32.21
7.		12.70	30.99	30.		10.25	32.22
8.		12.67	31.30	31.		10.14	32.27
9.		12.64	31.42	32.		10.03	32.28
10.		12.64	31.43	33.		9.83	32.36
11.		12.63	31.44	34.		9.75	32.40
12.		12.62	31.45	35.		9.70	32.39
13.		12.61	31.47	36.		9.68	32.38
14.		12.61	31.48	37.		9.66	32.38
15.		12.50	31.60	39.		9.50	32.39
16.		12.41	31.72	40.		9.39	32.39
17.		12.37	31.73	41.		9.35	32.40
18.		12.30	31.74	42.		9.24	32.46
20.		12.20	31.80	43.		9.17	32.47
21.		11.46	31.98	44.		9.08	32.49
22.		10.66	32.04				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-159 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 04:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	30.75	0	23.20	468.2	.00	.00	1494.
10	12.66	31.42	10	23.71	419.6	.45	.02	1495.
20	12.12	31.85	20	24.15	377.8	.85	.08	1494.
30	10.31	32.21	30	24.74	321.5	1.19	.17	1488.

DEEPEST MEASUREMENT:

44	9.20	32.46	44	25.13	285.3	1.61	.33	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.64	30.75	24.		10.45	32.15
1.		12.64	30.75	25.		10.45	32.14
2.		12.64	30.74	26.		10.41	32.16
3.		12.64	30.76	27.		10.36	32.16
4.		12.67	30.86	28.		10.36	32.15
5.		12.69	31.07	29.		10.36	32.17
6.		12.69	31.15	30.		10.31	32.21
7.		12.69	31.20	31.		10.18	32.25
9.		12.70	31.31	32.		9.97	32.30
10.		12.66	31.42	33.		9.77	32.36
11.		12.64	31.46	34.		9.76	32.37
12.		12.63	31.48	35.		9.74	32.35
13.		12.64	31.49	36.		9.73	32.33
15.		12.61	31.51	37.		9.70	32.34
17.		12.36	31.70	38.		9.69	32.34
18.		12.21	31.82	39.		9.65	32.35
19.		12.16	31.85	40.		9.62	32.35
20.		12.12	31.85	41.		9.51	32.38
21.		11.76	31.91	42.		9.46	32.39
22.		11.06	32.02	44.		9.20	32.46
23.		10.51	32.13				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-160 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 05:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.56	0	23.07	480.7	.00	.00	1494.
10	12.54	31.62	10	23.89	402.5	.46	.02	1495.
20	10.91	32.05	20	24.52	342.3	.84	.08	1490.
30	10.14	32.27	30	24.82	314.1	1.16	.16	1488.

DEEPEST MEASUREMENT:

43	9.00	32.52	43	25.20	278.4	1.55	.30	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.56	23.		10.44	32.16
1.		12.57	30.56	24.		10.38	32.18
2.		12.56	30.55	25.		10.37	32.16
4.		12.56	30.57	26.		10.33	32.16
5.		12.61	30.57	27.		10.31	32.18
6.		12.64	30.79	28.		10.24	32.22
7.		12.67	31.40	29.		10.16	32.25
8.		12.64	31.49	30.		10.14	32.27
9.		12.62	31.51	31.		10.03	32.28
10.		12.54	31.62	32.		9.94	32.32
11.		12.41	31.66	33.		9.93	32.31
12.		12.38	31.69	34.		9.93	32.29
13.		12.35	31.72	35.		9.92	32.30
14.		12.30	31.76	37.		9.92	32.32
15.		12.21	31.80	38.		9.83	32.31
16.		12.13	31.82	39.		9.75	32.34
17.		12.03	31.86	40.		9.67	32.37
18.		11.89	31.89	41.		9.42	32.41
19.		11.49	31.98	42.		9.32	32.45
20.		10.91	32.05	43.		9.00	32.52
21.		10.51	32.17				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-161 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 05:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.57	30.56	0	23.07	481.2	.00	.00	1494.
10	12.59	31.60	10	23.87	404.6	.46	.02	1495.
20	11.67	31.99	20	24.34	360.3	.84	.08	1493.
30	10.20	32.22	30	24.78	318.6	1.18	.17	1488.

DEEPEST MEASUREMENT:

42	9.53	32.46	42	25.07	290.5	1.54	.30	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.57	30.56	23.		10.71	32.09
1.		12.57	30.56	24.		10.50	32.14
2.		12.56	30.55	25.		10.46	32.14
3.		12.56	30.53	26.		10.42	32.15
4.		12.57	30.53	27.		10.37	32.17
5.		12.56	30.56	28.		10.31	32.19
6.		12.58	30.92	29.		10.25	32.19
7.		12.68	31.28	30.		10.20	32.22
8.		12.67	31.43	31.		10.17	32.22
9.		12.62	31.54	32.		10.15	32.24
10.		12.59	31.60	33.		10.14	32.23
11.		12.51	31.67	34.		10.12	32.25
13.		12.39	31.70	35.		10.08	32.27
14.		12.31	31.76	36.		10.04	32.28
15.		12.28	31.76	37.		10.02	32.29
16.		12.18	31.83	38.		10.00	32.32
17.		12.10	31.82	39.		9.93	32.33
18.		11.97	31.84	40.		9.90	32.33
19.		11.89	31.88	41.		9.81	32.35
20.		11.67	31.99	42.		9.53	32.46
22.		11.34	32.02				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-162 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 05:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.56	30.57	0	23.07	480.2	.00	.00	1494.
10	12.54	31.31	10	23.65	425.5	.48	.02	1495.
20	11.68	32.03	20	24.36	357.6	.86	.08	1493.
30	10.14	32.19	30	24.76	319.7	1.19	.17	1488.

DEEPEST MEASUREMENT:

42	9.72	32.36	42	24.97	300.7	1.57	.30	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.56	30.57	20.		11.68	32.03
1.		12.56	30.57	21.		11.25	32.06
2.		12.56	30.58	23.		10.80	32.13
3.		12.52	30.57	24.		10.45	32.17
4.		12.56	30.56	25.		10.44	32.15
5.		12.56	30.57	26.		10.34	32.16
6.		12.56	30.56	28.		10.26	32.18
7.		12.57	30.57	29.		10.20	32.19
8.		12.58	30.60	30.		10.14	32.19
9.		12.59	30.70	31.		10.11	32.23
10.		12.54	31.31	32.		10.09	32.24
11.		12.49	31.61	33.		10.05	32.25
12.		12.46	31.65	34.		10.00	32.27
13.		12.36	31.71	35.		9.99	32.27
14.		12.30	31.74	36.		9.99	32.28
15.		12.24	31.78	37.		9.99	32.29
16.		12.21	31.80	38.		9.99	32.30
17.		12.21	31.82	39.		9.98	32.30
18.		12.05	31.85	41.		9.93	32.33
19.		11.91	31.88	42.		9.72	32.36

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-163 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 06:00 STATION CC04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.49	30.49	0	23.03	484.6	.00	.00	1493.
10	12.41	31.61	10	23.91	401.1	.45	.02	1495.
20	11.89	31.86	20	24.20	373.1	.84	.08	1493.
30	10.12	32.18	30	24.76	320.5	1.17	.17	1488.
DEEPEST MEASUREMENT:								
43	9.36	32.42	43	25.07	290.9	1.57	.31	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.49	30.49	23.		10.64	32.13
1.		12.49	30.49	24.		10.39	32.14
2.		12.49	30.49	25.		10.33	32.13
3.		12.49	30.44	26.		10.28	32.15
4.		12.55	30.66	27.		10.25	32.14
5.		12.62	30.88	28.		10.23	32.17
6.		12.58	31.01	29.		10.18	32.19
7.		12.55	31.28	30.		10.12	32.18
8.		12.44	31.58	31.		10.11	32.19
9.		12.42	31.59	32.		10.10	32.18
10.		12.41	31.61	33.		10.09	32.19
11.		12.36	31.64	34.		10.09	32.20
12.		12.25	31.70	35.		10.09	32.23
14.		12.22	31.74	36.		10.09	32.26
15.		12.17	31.76	37.		10.07	32.27
16.		12.14	31.77	38.		10.02	32.29
17.		12.10	31.79	39.		9.97	32.31
18.		12.07	31.81	40.		9.86	32.35
20.		11.89	31.86	42.		9.47	32.40
21.		11.35	31.94	43.		9.36	32.42
22.		11.14	32.07				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-164 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 06:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.41	30.26	0	22.86	500.4	.00	.00	1493.
10	12.60	31.30	10	23.64	426.9	.49	.02	1495.
20	11.29	31.96	20	24.39	355.5	.89	.08	1491.
30	10.30	32.12	30	24.68	328.1	1.22	.17	1488.

DEEPEST MEASUREMENT:

43	9.34	32.43	43	25.08	290.1	1.62	.32	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.41	30.26	24.		10.51	32.09
1.		12.41	30.26	25.		10.43	32.11
2.		12.45	30.24	26.		10.36	32.12
3.		12.42	30.25	27.		10.36	32.13
4.		12.41	30.23	28.		10.33	32.14
5.		12.41	30.20	29.		10.30	32.14
6.		12.41	30.22	30.		10.30	32.12
7.		12.46	30.26	31.		10.28	32.14
8.		12.51	30.30	32.		10.26	32.15
9.		12.64	31.12	33.		10.25	32.19
10.		12.60	31.30	34.		10.23	32.19
11.		12.59	31.39	35.		10.22	32.19
12.		12.43	31.50	36.		10.18	32.27
13.		12.40	31.51	37.		10.12	32.28
14.		12.26	31.68	38.		10.08	32.30
15.		12.24	31.68	39.		9.93	32.30
16.		12.18	31.68	40.		9.73	32.35
19.		11.66	31.82	41.		9.70	32.35
20.		11.29	31.96	42.		9.46	32.39
21.		10.91	32.05	43.		9.34	32.43
23.		10.81	32.07				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-165 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 06:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.36	30.33	0	22.93	494.4	.00	.00	1493.
10	12.52	30.43	10	22.98	489.8	.49	.03	1494.
20	11.07	32.06	20	24.50	344.6	.90	.09	1491.
30	10.23	32.20	30	24.76	320.5	1.23	.17	1488.

DEEPEST MEASUREMENT:

42	9.39	32.48	42	25.11	287.1	1.59	.30	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.36	30.33	21.		10.80	32.08
1.		12.36	30.33	22.		10.72	32.10
2.		12.38	30.33	24.		10.65	32.10
3.		12.38	30.32	26.		10.43	32.13
4.		12.39	30.33	27.		10.37	32.14
6.		12.44	30.36	28.		10.34	32.19
7.		12.46	30.37	29.		10.25	32.21
8.		12.47	30.39	30.		10.23	32.20
9.		12.50	30.41	31.		10.23	32.21
10.		12.52	30.43	32.		10.23	32.21
11.		12.53	30.86	33.		10.24	32.20
12.		12.50	31.30	34.		10.22	32.23
13.		12.48	31.45	35.		10.13	32.25
14.		12.48	31.45	36.		10.13	32.26
15.		12.47	31.46	37.		10.12	32.29
16.		12.30	31.60	39.		9.93	32.32
17.		12.02	31.76	40.		9.63	32.36
18.		11.54	31.93	41.		9.43	32.42
19.		11.36	31.93	42.		9.39	32.48
20.		11.07	32.06				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-166 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 07:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.44	30.33	0	22.91	495.7	.00	.00	1493.
10	12.52	31.19	10	23.56	433.7	.49	.02	1495.
20	10.68	32.10	20	24.60	335.0	.86	.08	1489.
30	10.00	32.25	30	24.83	313.6	1.19	.16	1487.

DEEPEST MEASUREMENT:

41	9.30	32.47	41	25.12	286.0	1.52	.28	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.44	30.33	22.		10.48	32.09
1.		12.44	30.33	23.		10.47	32.11
2.		12.46	30.32	24.		10.46	32.10
3.		12.45	30.30	26.		10.38	32.14
4.		12.44	30.30	27.		10.27	32.19
5.		12.44	30.28	28.		10.16	32.24
6.		12.44	30.34	29.		10.02	32.25
7.		12.46	30.40	30.		10.00	32.25
8.		12.48	30.58	31.		9.98	32.26
9.		12.53	31.02	32.		9.96	32.25
10.		12.52	31.19	33.		9.95	32.26
11.		12.47	31.31	34.		9.93	32.29
12.		12.37	31.47	35.		9.89	32.31
13.		12.32	31.53	36.		9.82	32.32
14.		12.10	31.69	37.		9.75	32.34
15.		11.91	31.83	38.		9.67	32.35
16.		11.60	31.93	39.		9.54	32.39
17.		11.06	32.07	40.		9.38	32.45
18.		10.88	32.12	41.		9.30	32.47
21.		10.59	32.09				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-167 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 07:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.47	30.59	0	23.11	476.8	.00	.00	1494.
10	12.53	30.52	10	23.04	483.3	.49	.02	1494.
20	11.32	32.01	20	24.42	352.4	.90	.09	1492.
30	10.29	32.19	30	24.73	322.5	1.23	.17	1488.

DEEPEST MEASUREMENT:

41	9.23	32.48	41	25.14	284.5	1.57	.29	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.47	30.59	22.		10.79	32.16
1.		12.47	30.53	23.		10.60	32.16
2.		12.47	30.47	24.		10.51	32.11
3.		12.47	30.44	25.		10.51	32.12
5.		12.47	30.44	26.		10.51	32.13
6.		12.49	30.43	27.		10.50	32.13
7.		12.49	30.45	28.		10.42	32.15
9.		12.52	30.46	31.		10.22	32.21
10.		12.53	30.52	32.		9.98	32.22
11.		12.51	30.54	33.		9.95	32.25
12.		12.48	31.08	34.		9.95	32.26
13.		12.40	31.16	35.		9.91	32.27
14.		12.38	31.30	36.		9.87	32.29
17.		12.16	31.53	37.		9.76	32.31
18.		11.68	31.93	38.		9.73	32.33
19.		11.56	31.98	39.		9.57	32.36
20.		11.32	32.01	40.		9.35	32.43
21.		10.94	32.17	41.		9.23	32.48

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-168 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 07:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.55	30.59	0	23.09	478.6	.00	.00	1494.
10	12.47	31.06	10	23.48	442.2	.47	.02	1494.
20	10.90	32.03	20	24.51	344.1	.87	.08	1490.
30	9.89	32.26	30	24.85	311.1	1.19	.17	1487.

DEEPEST MEASUREMENT:

41	9.26	32.46	41	25.11	286.5	1.52	.28	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.55	30.59	20.		10.90	32.03
1.		12.55	30.59	22.		10.81	32.03
2.		12.56	30.58	23.		10.68	32.11
3.		12.56	30.57	24.		10.59	32.13
4.		12.54	30.57	25.		10.51	32.14
5.		12.54	30.56	26.		10.41	32.16
6.		12.57	30.68	27.		10.17	32.26
7.		12.56	30.80	28.		9.98	32.26
9.		12.54	30.95	29.		9.92	32.26
10.		12.47	31.06	30.		9.89	32.26
11.		12.47	31.10	31.		9.84	32.28
12.		12.46	31.11	33.		9.75	32.30
13.		12.39	31.23	34.		9.74	32.33
14.		12.15	31.45	35.		9.62	32.35
15.		12.05	31.55	36.		9.43	32.42
16.		11.85	31.74	37.		9.38	32.45
17.		11.48	31.97	38.		9.36	32.43
18.		11.35	31.99	40.		9.32	32.46
19.		11.07	32.00	41.		9.26	32.46

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-169 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 07:54 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.61	30.75	0	23.21	467.6	.00	.00	1494.
10	12.36	31.27	10	23.65	425.1	.45	.02	1494.
20	10.70	32.07	20	24.57	337.8	.83	.08	1489.
30	9.76	32.31	30	24.92	305.2	1.16	.16	1487.

DEEPEST MEASUREMENT:

41	9.21	32.49	41	25.15	283.5	1.48	.28	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.61	30.75	22.		10.56	32.08
1.		12.61	30.75	23.		10.44	32.14
2.		12.61	30.78	24.		10.34	32.18
3.		12.61	30.77	25.		10.15	32.22
4.		12.61	30.75	26.		10.09	32.26
5.		12.61	30.76	27.		10.05	32.28
6.		12.52	30.77	28.		9.97	32.26
7.		12.43	31.19	29.		9.89	32.26
8.		12.39	31.19	30.		9.76	32.31
9.		12.39	31.22	31.		9.65	32.36
10.		12.36	31.27	32.		9.64	32.34
11.		12.36	31.29	34.		9.53	32.38
12.		12.35	31.31	35.		9.51	32.38
13.		12.30	31.41	36.		9.51	32.38
14.		12.14	31.61	37.		9.50	32.38
15.		11.56	31.94	38.		9.50	32.38
18.		11.27	31.99	39.		9.43	32.40
19.		10.88	32.07	40.		9.38	32.43
20.		10.70	32.07	41.		9.21	32.49
21.		10.68	32.06				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-170 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 08:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.63	30.74	0	23.20	468.7	.00	.00	1494.
10	12.61	31.16	10	23.53	437.5	.46	.02	1495.
20	10.83	32.12	20	24.59	336.5	.84	.08	1490.
30	9.81	32.31	30	24.91	305.8	1.16	.16	1487.

DEEPEST MEASUREMENT:

40	9.58	32.37	40	24.99	298.2	1.46	.27	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.63	30.74	20.		10.83	32.12
1.		12.63	30.74	21.		10.69	32.16
2.		12.63	30.73	22.		10.49	32.19
3.		12.64	30.73	23.		10.39	32.21
4.		12.63	30.74	24.		10.20	32.20
5.		12.63	30.76	25.		10.12	32.20
6.		12.61	30.81	26.		10.11	32.20
7.		12.63	30.92	27.		9.97	32.23
8.		12.58	31.01	28.		9.94	32.26
9.		12.61	31.10	29.		9.83	32.31
10.		12.61	31.16	30.		9.81	32.31
11.		12.59	31.20	31.		9.75	32.29
12.		12.57	31.41	34.		9.75	32.30
13.		12.50	31.55	35.		9.71	32.33
14.		12.27	31.69	36.		9.68	32.32
15.		11.96	31.85	37.		9.65	32.33
16.		11.64	32.13	38.		9.65	32.34
17.		11.18	32.11	39.		9.64	32.35
18.		11.07	32.08	40.		9.58	32.37
19.		10.95	32.10				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-171 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 08:42 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.65	31.04	0	23.43	446.8	.00	.00	1495.
10	12.60	31.20	10	23.55	434.7	.45	.02	1495.
20	10.97	32.05	20	24.51	343.6	.83	.08	1490.
30	9.91	32.28	30	24.87	309.5	1.15	.16	1487.

DEEPEST MEASUREMENT:

42	9.26	32.56	42	25.19	279.0	1.50	.29	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.65	31.04	22.		10.75	32.08
1.		12.65	30.98	23.		10.55	32.10
2.		12.64	30.91	24.		10.36	32.18
3.		12.64	30.88	25.		10.34	32.18
4.		12.65	30.93	27.		10.32	32.25
5.		12.63	30.98	28.		10.01	32.28
6.		12.59	31.10	29.		9.95	32.29
7.		12.57	31.11	30.		9.91	32.28
8.		12.57	31.12	31.		9.89	32.29
9.		12.58	31.18	32.		9.88	32.29
10.		12.60	31.20	33.		9.86	32.31
11.		12.65	31.21	34.		9.84	32.30
12.		12.62	31.64	35.		9.82	32.29
13.		12.45	31.81	36.		9.81	32.31
14.		12.25	31.85	37.		9.81	32.30
15.		11.93	31.88	38.		9.81	32.29
17.		11.47	31.95	39.		9.80	32.29
18.		11.27	32.04	40.		9.79	32.32
19.		11.18	32.04	41.		9.49	32.53
20.		10.97	32.05	42.		9.26	32.56

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-172 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 09:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.66	30.80	0	23.24	464.8	.00	.00	1494.
10	12.54	31.10	10	23.49	440.9	.46	.02	1495.
20	10.72	32.11	20	24.60	334.9	.85	.08	1490.
30	10.03	32.29	30	24.86	310.8	1.17	.16	1488.

DEEPEST MEASUREMENT:

43	9.28	32.47	43	25.12	286.1	1.56	.31	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.66	30.80	22.		10.58	32.12
1.		12.66	30.80	23.		10.51	32.14
2.		12.66	30.80	24.		10.50	32.14
3.		12.66	30.82	25.		10.45	32.14
4.		12.64	30.83	26.		10.41	32.12
5.		12.64	30.86	27.		10.39	32.16
6.		12.65	30.89	28.		10.23	32.21
7.		12.62	30.93	29.		10.07	32.28
8.		12.59	30.98	30.		10.03	32.29
9.		12.54	31.06	31.		10.00	32.27
10.		12.54	31.10	32.		9.99	32.27
11.		12.56	31.10	33.		9.98	32.26
12.		12.61	31.21	34.		9.97	32.27
13.		12.59	31.30	35.		9.96	32.28
14.		12.58	31.57	36.		9.93	32.29
15.		12.11	31.92	37.		9.90	32.29
16.		11.88	31.94	38.		9.88	32.29
17.		11.73	31.97	39.		9.86	32.30
18.		11.18	32.03	40.		9.83	32.31
19.		10.96	32.09	41.		9.80	32.32
20.		10.72	32.11	42.		9.62	32.38
21.		10.61	32.11	43.		9.28	32.47

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-173 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 09:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.65	30.89	0	23.31	458.0	.00	.00	1495.
10	12.61	31.30	10	23.63	427.5	.45	.02	1495.
20	10.69	32.09	20	24.59	335.7	.82	.08	1489.
30	10.18	32.25	30	24.80	316.2	1.15	.16	1488.

DEEPEST MEASUREMENT:

41	9.85	32.32	41	24.91	306.0	1.49	.29	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.65	30.89	20.		10.69	32.09
1.		12.65	30.89	21.		10.60	32.08
2.		12.64	30.91	22.		10.57	32.10
3.		12.64	30.96	23.		10.57	32.10
4.		12.64	30.98	24.		10.56	32.11
5.		12.63	30.99	25.		10.52	32.12
6.		12.64	31.01	26.		10.47	32.14
7.		12.60	31.03	28.		10.31	32.20
8.		12.58	31.15	29.		10.20	32.23
9.		12.58	31.21	30.		10.18	32.25
10.		12.61	31.30	31.		10.15	32.24
11.		12.64	31.36	32.		10.13	32.25
12.		12.55	31.49	33.		10.10	32.25
13.		12.46	31.83	34.		10.06	32.25
14.		12.23	31.97	35.		10.04	32.24
15.		12.08	31.97	36.		10.01	32.25
16.		12.00	31.98	37.		10.00	32.27
17.		11.58	32.03	39.		9.98	32.27
18.		11.31	32.07	40.		9.97	32.29
19.		11.02	32.08	41.		9.85	32.32

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-174
POSITION 51-30.0N, 128-54.4W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 23/09/82
PST 09:42

STATION CC04

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.67	30.89	0	23.30	458.5	.00	.00	1495.
10	12.56	31.55	10	23.83	407.9	.45	.02	1495.
20	10.82	32.09	20	24.57	338.4	.81	.08	1490.
30	10.47	32.16	30	24.68	327.4	1.15	.16	1489.

DEEPEST MEASUREMENT:

42	9.99	32.25	42	24.84	313.0	1.53	.30	1488.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.67	30.89	21.		10.80	32.08
1.		12.67	30.88	22.		10.80	32.08
2.		12.66	30.89	23.		10.75	32.09
3.		12.67	30.90	24.		10.73	32.09
4.		12.67	30.92	25.		10.73	32.08
5.		12.66	30.93	26.		10.73	32.10
6.		12.67	30.94	28.		10.62	32.15
7.		12.66	30.94	29.		10.52	32.18
8.		12.62	31.19	30.		10.47	32.16
9.		12.59	31.28	31.		10.28	32.18
10.		12.56	31.55	32.		10.23	32.19
11.		12.53	31.69	33.		10.22	32.21
12.		12.49	31.74	34.		10.18	32.23
13.		12.46	31.87	35.		10.16	32.21
14.		12.23	32.03	36.		10.14	32.21
15.		11.63	32.21	37.		10.08	32.22
16.		11.14	32.19	38.		10.07	32.22
17.		10.99	32.11	39.		10.05	32.24
18.		10.95	32.08	40.		10.01	32.25
19.		10.88	32.07	42.		9.99	32.25
20.		10.82	32.09				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-178 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 10:24 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.64	31.07	0	23.45	444.5	.00	.00	1495.
10	11.52	32.07	10	24.42	351.7	.41	.02	1492.
20	10.49	32.17	20	24.69	327.0	.75	.07	1489.
30	10.22	32.20	30	24.76	320.1	1.07	.15	1488.

DEEPEST MEASUREMENT:

43	9.55	32.40	43	25.02	295.3	1.47	.30	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.64	31.07	21.		10.38	32.19
1.		12.64	31.07	22.		10.33	32.17
2.		12.64	31.07	23.		10.32	32.19
3.		12.63	31.08	24.		10.30	32.21
4.		12.62	31.09	25.		10.27	32.22
5.		12.58	31.14	26.		10.24	32.20
6.		12.48	31.41	27.		10.23	32.21
7.		12.12	31.89	28.		10.23	32.19
8.		11.84	32.03	29.		10.22	32.20
9.		11.57	32.07	30.		10.22	32.20
10.		11.52	32.07	31.		10.22	32.22
11.		11.52	32.03	32.		10.21	32.20
12.		11.49	32.03	34.		10.20	32.20
13.		11.46	32.05	35.		10.21	32.20
14.		11.24	32.10	36.		10.20	32.22
15.		10.88	32.09	37.		9.99	32.24
16.		10.79	32.11	38.		9.90	32.29
17.		10.73	32.13	39.		9.84	32.31
18.		10.62	32.14	40.		9.64	32.35
19.		10.58	32.16	43.		9.55	32.40
20.		10.49	32.17				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-180
POSITION 51-30.0N, 128-54.4W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 23/09/82
PST 10:48

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.74	30.61	0	23.07	480.4	.00	.00	1495.
10	11.61	31.98	10	24.34	359.5	.45	.02	1492.
20	10.26	32.18	20	24.74	322.2	.79	.07	1488.
30	9.61	32.36	30	24.98	299.1	1.10	.15	1486.

DEEPEST MEASUREMENT:

40	9.48	32.40	40	25.03	294.1	1.40	.26	1486.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.74	30.61	18.		10.37	32.19
1.		12.74	30.61	19.		10.30	32.17
2.		12.74	30.61	20.		10.26	32.18
3.		12.73	30.62	21.		10.23	32.18
4.		12.72	30.68	22.		10.20	32.19
5.		12.70	30.70	24.		10.14	32.2[illegible]
6.		12.68	30.77	25.		10.00	32.31
7.		12.56	30.82	26.		9.83	32.35
8.		12.43	31.37	28.		9.78	32.36
9.		11.77	31.93	29.		9.73	32.37
10.		11.61	31.98	30.		9.61	32.36
11.		11.56	32.04	33.		9.58	32.36
12.		11.53	32.03	34.		9.56	32.38
13.		11.48	32.05	35.		9.57	32.38
14.		11.34	32.06	36.		9.56	32.37
15.		10.88	32.08	39.		9.54	32.40
16.		10.55	32.11	40.		9.48	32.40
17.		10.45	32.15				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-181 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 11:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.75	30.82	0	23.24	464.7	.00	.00	1495.
10	11.70	32.09	10	24.41	353.3	.44	.02	1493.
20	10.32	32.23	20	24.77	319.3	.77	.07	1488.
30	9.48	32.44	30	25.06	291.2	1.08	.15	1486.

DEEPEST MEASUREMENT:

42	9.35	32.44	42	25.08	289.5	1.42	.28	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.75	30.82	20.		10.32	32.23
1.		12.75	30.82	21.		10.28	32.21
2.		12.75	30.82	22.		10.21	32.24
3.		12.73	30.85	24.		10.11	32.29
4.		12.71	30.90	25.		9.80	32.39
5.		12.64	31.07	26.		9.56	32.43
6.		12.61	31.16	27.		9.50	32.44
7.		12.53	31.32	29.		9.49	32.44
9.		12.19	31.77	31.		9.47	32.44
10.		11.70	32.09	32.		9.47	32.43
11.		11.60	32.11	33.		9.47	32.43
12.		11.59	32.11	34.		9.45	32.44
13.		11.53	32.09	35.		9.45	32.45
14.		11.46	32.11	36.		9.45	32.45
15.		10.86	32.13	37.		9.42	32.44
16.		10.57	32.16	39.		9.43	32.44
17.		10.39	32.20	41.		9.37	32.46
18.		10.34	32.22	42.		9.35	32.44
19.		10.33	32.21				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-182 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 11:18 STATION CC04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	30.92	0	23.33	456.2	.00	.00	1495.
10	12.07	31.75	10	24.08	384.6	.43	.02	1494.
20	10.31	32.19	20	24.73	322.4	.78	.07	1488.
30	9.28	32.45	30	25.10	287.4	1.03	.15	1485.

DEEPEST MEASUREMENT:

42	9.24	32.49	42	25.14	284.3	1.43	.28	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.68	30.92	22.		10.18	32.20
1.		12.65	30.96	23.		9.90	32.29
2.		12.62	30.99	24.		9.51	32.35
3.		12.63	30.97	25.		9.51	32.46
4.		12.59	31.04	26.		9.28	32.48
6.		12.52	31.20	27.		9.29	32.47
7.		12.29	31.46	28.		9.32	32.48
8.		12.10	31.69	29.		9.30	32.46
9.		12.09	31.74	30.		9.28	32.45
10.		12.07	31.75	31.		9.27	32.46
11.		12.06	31.76	33.		9.27	32.47
12.		12.03	31.80	34.		9.26	32.48
14.		11.71	32.00	36.		9.26	32.49
15.		11.57	32.03	37.		9.24	32.49
16.		11.53	32.04	38.		9.24	32.48
17.		11.32	32.09	39.		9.25	32.46
18.		10.87	32.12	40.		9.24	32.48
19.		10.41	32.19	41.		9.24	32.48
20.		10.31	32.19	42.		9.24	32.49
21.		10.25	32.20				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-183 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 11:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.76	30.98	0	23.36	453.2	.00	.00	1495.
10	11.96	32.05	10	24.33	360.5	.43	.02	1494.
20	11.61	32.07	20	24.41	353.2	.78	.08	1493.
30	9.95	32.36	30	24.92	304.5	1.11	.16	1487.

DEEPEST MEASUREMENT:

42	9.07	32.51	42	25.18	279.9	1.46	.29	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.76	30.98	21.		11.54	32.10
1.		12.76	30.98	22.		11.52	32.13
2.		12.76	30.98	23.		11.18	32.16
3.		12.73	31.00	24.		10.56	32.19
4.		12.72	31.05	25.		10.25	32.21
5.		12.70	31.07	26.		10.21	32.21
6.		12.64	31.24	27.		10.15	32.24
7.		12.56	31.40	28.		10.08	32.30
8.		12.40	31.87	29.		9.96	32.33
9.		12.16	32.06	30.		9.95	32.36
10.		11.96	32.05	31.		9.56	32.40
11.		11.78	32.03	32.		9.37	32.46
12.		11.75	32.01	35.		9.28	32.48
13.		11.76	32.01	36.		9.22	32.49
14.		11.75	32.03	37.		9.18	32.48
15.		11.73	32.05	38.		9.16	32.48
16.		11.70	32.05	39.		9.14	32.49
17.		11.71	32.03	40.		9.12	32.52
18.		11.69	32.04	41.		9.11	32.50
19.		11.69	32.06	42.		9.07	32.51
20.		11.61	32.07				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-184 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 12:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.73	31.06	0	23.43	446.7	.00	.00	1495.
10	12.12	32.00	10	24.26	366.9	.41	.02	1494.
20	11.33	32.13	20	24.51	343.8	.77	.07	1492.
30	9.44	32.47	30	25.09	288.5	1.08	.15	1486.

DEEPEST MEASUREMENT:

43	8.71	32.70	43	25.38	260.9	1.44	.29	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.73	31.06	23.		10.20	32.25
1.		12.73	31.06	24.		10.17	32.23
2.		12.73	31.08	25.		10.12	32.25
3.		12.72	31.09	26.		9.99	32.32
4.		12.71	31.23	27.		9.71	32.38
5.		12.64	31.42	28.		9.53	32.40
6.		12.58	31.64	29.		9.50	32.46
7.		12.42	31.90	31.		9.39	32.48
8.		12.33	31.97	32.		9.11	32.50
10.		12.12	32.00	33.		9.07	32.53
11.		11.90	32.02	34.		9.07	32.54
12.		11.89	32.04	35.		9.02	32.56
13.		11.87	32.02	36.		8.98	32.56
15.		11.85	32.03	37.		8.95	32.60
16.		11.78	32.05	38.		8.93	32.61
17.		11.74	32.08	39.		8.87	32.60
18.		11.71	32.06	40.		8.85	32.63
19.		11.56	32.07	41.		8.74	32.66
20.		11.33	32.13	42.		8.73	32.69
21.		10.79	32.19	43.		8.71	32.70
22.		10.39	32.22				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-185 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 12:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.80	31.02	0	23.38	451.4	.00	.00	1495.
10	11.95	31.90	10	24.22	371.1	.42	.02	1494.
20	11.17	32.05	20	24.48	346.8	.77	.07	1491.
30	9.81	32.31	30	24.91	305.8	1.09	.16	1487.

DEEPEST MEASUREMENT:

42	8.65	32.71	42	25.40	259.2	1.43	.28	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.80	31.02	20.		11.17	32.05
1.		12.80	31.02	21.		11.13	32.07
2.		12.80	31.02	22.		10.95	32.17
3.		12.75	31.06	24.		10.28	32.29
4.		12.69	31.10	25.		10.14	32.28
5.		12.69	31.17	26.		10.11	32.28
6.		12.61	31.31	27.		10.08	32.29
7.		12.52	31.71	28.		10.02	32.29
8.		12.29	31.83	29.		9.92	32.30
9.		12.08	31.87	30.		9.81	32.31
10.		11.95	31.90	32.		9.65	32.38
11.		11.81	31.94	33.		9.57	32.48
12.		11.33	31.97	34.		9.30	32.48
13.		11.22	32.01	35.		9.25	32.49
14.		11.15	32.05	36.		9.12	32.57
15.		11.15	32.03	37.		9.01	32.58
16.		11.16	32.03	38.		8.99	32.59
17.		11.17	32.02	39.		8.97	32.62
18.		11.17	32.05	40.		8.79	32.66
19.		11.17	32.05	42.		8.65	32.71

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-186 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 12:36 STATION COD
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUNI
0	12.79	31.01	0	23.38	451.5	.00	.00	1495
10	11.45	31.89	10	24.30	363.4	.42	.02	1492.
20	10.60	32.10	20	24.61	333.8	.76	.07	1489.
30	9.65	32.43	30	25.03	294.7	1.08	.15	1486.

DEEPEST MEASUREMENT:

42	8.39	32.77	42	25.49	250.9	1.41	.27	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.79	31.01	21.		10.52	32.11
1.		12.79	31.01	22.		10.45	32.15
2.		12.75	31.06	24.		10.33	32.16
3.		12.72	31.10	25.		10.16	32.26
4.		12.70	31.17	26.		10.11	32.24
5.		12.54	31.25	27.		10.08	32.24
6.		12.46	31.38	28.		10.05	32.30
7.		12.18	31.59	30.		9.65	32.43
8.		11.83	31.83	31.		9.41	32.48
9.		11.67	31.87	32.		9.28	32.52
10.		11.45	31.89	33.		9.18	32.54
11.		11.42	31.91	34.		9.04	32.56
12.		11.31	31.98	35.		8.96	32.57
13.		11.02	32.03	36.		8.84	32.63
14.		10.90	32.04	37.		8.67	32.69
15.		10.77	32.05	38.		8.54	32.71
16.		10.75	32.06	39.		8.51	32.73
17.		10.73	32.06	40.		8.44	32.77
18.		10.73	32.07	41.		8.42	32.77
19.		10.66	32.08	42.		8.39	32.77
20.		10.60	32.10				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-187 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 13:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.81	31.16	0	23.48	441.1	.00	.00	1495.
10	11.44	31.90	10	24.31	362.9	.41	.02	1492.
20	10.33	32.17	20	24.71	324.2	.75	.07	1488.
30	9.31	32.48	30	25.12	285.7	1.06	.15	1485.

DEEPEST MEASUREMENT:

44	8.29	32.77	44	25.51	249.2	1.43	.29	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.81	31.16	21.		10.19	32.19
1.		12.81	31.16	22.		10.11	32.23
2.		12.81	31.19	24.		10.06	32.26
3.		12.76	31.21	25.		9.98	32.31
4.		12.72	31.22	26.		9.85	32.35
5.		12.64	31.22	27.		9.48	32.44
6.		12.32	31.53	28.		9.38	32.45
7.		12.12	31.71	30.		9.31	32.48
8.		11.90	31.85	31.		9.10	32.53
9.		11.65	31.87	32.		9.04	32.54
10.		11.44	31.90	33.		8.95	32.54
11.		11.22	31.96	34.		8.84	32.60
12.		11.02	32.03	35.		8.74	32.64
14.		10.94	32.06	36.		8.71	32.65
15.		10.66	32.08	37.		8.70	32.66
16.		10.54	32.10	38.		8.62	32.68
17.		10.44	32.12	39.		8.51	32.73
18.		10.39	32.14	41.		8.30	32.75
19.		10.37	32.15	43.		8.30	32.78
20.		10.33	32.17	44.		8.29	32.77

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-188 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 13:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.97	31.12	0	23.42	446.9	.00	.00	1496.
10	11.69	31.89	10	24.26	367.6	.42	.02	1493.
20	10.09	32.23	20	24.80	316.2	.76	.07	1487.
30	9.11	32.53	30	25.19	279.1	1.05	.15	1484.

DEEPEST MEASUREMENT:

42	8.29	32.83	42	25.55	244.7	1.37	.26	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.97	31.12	21.		10.01	32.25
1.		12.97	31.12	22.		9.86	32.33
2.		12.97	31.12	23.		9.76	32.40
3.		12.91	31.14	24.		9.66	32.43
4.		12.86	31.17	25.		9.52	32.49
5.		12.79	31.17	26.		9.43	32.49
6.		12.78	31.17	29.		9.25	32.50
7.		12.45	31.47	30.		9.11	32.53
8.		12.04	31.75	31.		9.01	32.55
9.		11.83	31.84	32.		8.88	32.61
11.		11.55	31.94	34.		8.85	32.60
12.		11.20	31.99	35.		8.82	32.61
13.		11.06	32.05	36.		8.81	32.61
15.		10.42	32.14	39.		8.74	32.62
17.		10.25	32.14	40.		8.57	32.69
18.		10.20	32.23	41.		8.49	32.76
19.		10.14	32.21	42.		8.29	32.83
20.		10.09	32.23				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-189 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 13:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.95	31.10	0	23.41	447.8	.00	.00	1496.
10	11.97	31.80	10	24.14	379.3	.43	.02	1494.
20	10.14	32.23	20	24.79	316.9	.77	.07	1488.
30	8.96	32.58	30	25.26	272.8	1.06	.15	1484.

DEEPEST MEASUREMENT:

42	8.42	32.74	42	25.46	253.6	1.38	.26	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.95	31.10	19.		10.18	32.23
1.		12.95	31.10	20.		10.14	32.23
2.		12.92	31.10	22.		10.08	32.28
3.		12.89	31.12	23.		9.92	32.31
4.		12.84	31.14	26.		9.68	32.41
5.		12.79	31.19	27.		9.40	32.44
6.		12.66	31.32	28.		9.31	32.44
7.		12.52	31.43	29.		9.12	32.50
8.		12.22	31.67	30.		8.96	32.58
9.		12.09	31.73	31.		8.89	32.60
10.		11.97	31.80	32.		8.82	32.64
11.		11.53	31.94	33.		8.77	32.62
12.		11.44	31.96	34.		8.74	32.64
13.		11.24	31.98	36.		8.70	32.66
14.		11.02	32.07	37.		8.60	32.70
15.		10.89	32.09	38.		8.56	32.72
16.		10.53	32.13	39.		8.50	32.70
17.		10.47	32.18	42.		8.42	32.74
18.		10.30	32.23				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-190
POSITION 51-30.0N, 128-54.4W
RESULTS OF STP CAST
GUILDLINE WAS USED

DATE 23/09/82
PST 14:00

STATION C004

PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.83	31.29	0	23.58	432.1	.00	.00	1496.
10	12.13	31.73	10	24.05	387.2	.42	.02	1494.
20	10.23	32.25	20	24.79	316.7	.76	.07	1488.
30	9.13	32.52	30	25.18	280.2	1.06	.15	1484.

DEEPEST MEASUREMENT:

43	8.20	32.82	43	25.56	244.1	1.40	.27	1482.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.83	31.29	21.		10.03	32.27
1.		12.83	31.29	22.		9.98	32.29
2.		12.83	31.26	23.		9.86	32.29
3.		12.84	31.23	24.		9.86	32.32
4.		12.81	31.25	25.		9.76	32.34
5.		12.79	31.27	26.		9.63	32.37
6.		12.70	31.34	27.		9.56	32.41
7.		12.45	31.54	28.		9.41	32.48
8.		12.26	31.67	29.		9.22	32.49
9.		12.24	31.68	31.		9.04	32.54
10.		12.13	31.73	32.		8.93	32.60
12.		11.44	31.90	33.		8.85	32.60
13.		11.07	31.99	34.		8.71	32.63
14.		10.76	32.09	36.		8.61	32.67
15.		10.59	32.11	38.		8.50	32.73
16.		10.52	32.15	39.		8.43	32.76
17.		10.47	32.15	40.		8.22	32.81
18.		10.33	32.18	41.		8.20	32.81
19.		10.29	32.19	43.		8.20	32.82
20.		10.23	32.25				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-191 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 14:18 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.04	31.10	0	23.39	450.1	.00	.00	1496.
10	12.97	31.21	10	23.49	440.8	.45	.02	1496.
20	12.33	31.68	20	23.97	394.8	.86	.09	1495.
30	10.55	32.12	30	24.64	331.5	1.23	.18	1489.

DEEPEST MEASUREMENT:

41	9.15	32.53	41	25.19	279.4	1.57	.30	1485.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		13.04	31.10	20.		12.33	31.68
1.		13.04	31.10	21.		12.27	31.69
2.		13.04	31.10	22.		12.17	31.73
3.		13.04	31.11	23.		12.14	31.73
4.		13.04	31.13	24.		12.07	31.75
5.		13.01	31.13	25.		11.82	31.79
6.		13.04	31.13	26.		11.49	31.88
7.		13.05	31.14	28.		11.12	32.01
8.		13.02	31.16	29.		10.74	32.08
9.		13.00	31.18	30.		10.55	32.12
10.		12.97	31.21	31.		10.46	32.15
11.		12.83	31.23	33.		10.26	32.23
12.		12.80	31.25	34.		10.02	32.29
13.		12.75	31.34	36.		9.87	32.33
14.		12.70	31.40	37.		9.65	32.39
15.		12.69	31.43	38.		9.55	32.41
16.		12.67	31.46	39.		9.51	32.44
17.		12.52	31.59	40.		9.38	32.48
18.		12.38	31.65	41.		9.15	32.53
19.		12.36	31.66				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-192 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 14:36 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.98	31.16	0	23.45	444.2	.00	.00	1496.
10	12.72	31.42	10	23.70	420.6	.44	.02	1496.
20	11.37	31.90	20	24.33	361.3	.83	.08	1492.
30	9.87	32.34	30	24.92	304.9	1.16	.16	1487.
DEEPEST MEASUREMENT:								
43	8.57	32.69	43	25.40	259.0	1.53	.30	1483.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.98	31.16	23.		10.81	32.08
1.		12.98	31.16	24.		10.70	32.15
2.		12.98	31.16	25.		10.57	32.18
3.		13.00	31.16	26.		10.40	32.22
4.		13.01	31.17	27.		10.21	32.27
5.		13.00	31.20	28.		10.08	32.29
7.		12.97	31.23	29.		9.98	32.31
8.		12.87	31.24	30.		9.87	32.34
9.		12.78	31.34	31.		9.81	32.36
10.		12.72	31.42	32.		9.76	32.37
11.		12.70	31.47	33.		9.59	32.41
12.		12.58	31.54	34.		9.56	32.42
13.		12.43	31.66	35.		9.56	32.43
14.		12.39	31.67	36.		9.35	32.44
15.		12.33	31.69	37.		9.23	32.48
16.		12.23	31.74	38.		9.16	32.53
17.		12.16	31.77	39.		9.06	32.58
19.		11.62	31.84	40.		9.01	32.56
20.		11.37	31.90	41.		8.95	32.58
21.		11.24	31.98	42.		8.85	32.60
22.		10.91	32.05	43.		8.57	32.69

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-193 DATE 23/09/82
POSITION 51-30.0N, 128-54.4W PST 15:00 STATION C004
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.97	31.17	0	23.46	443.1	.00	.00	1496.
10	12.78	31.28	10	23.58	431.8	.44	.02	1496.
20	12.43	31.62	20	23.91	400.5	.86	.09	1495.
30	9.98	32.31	30	24.88	308.5	1.21	.18	1487.

DEEPEST MEASUREMENT:

42	8.81	32.61	42	25.30	268.8	1.56	.30	1484.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.97	31.17	21.		12.23	31.71
1.		12.97	31.17	22.		12.14	31.75
2.		12.97	31.17	23.		11.59	31.81
3.		12.97	31.17	24.		11.46	31.91
4.		12.95	31.19	25.		11.27	31.94
5.		12.97	31.18	26.		10.92	32.04
6.		12.88	31.24	27.		10.75	32.08
7.		12.79	31.29	28.		10.55	32.17
8.		12.78	31.31	29.		10.20	32.25
9.		12.77	31.29	30.		9.98	32.31
10.		12.78	31.28	31.		9.92	32.32
11.		12.78	31.30	33.		9.79	32.39
13.		12.76	31.41	34.		9.60	32.44
14.		12.72	31.42	35.		9.39	32.46
15.		12.72	31.43	36.		9.32	32.49
16.		12.70	31.44	37.		9.17	32.52
17.		12.70	31.48	39.		9.11	32.51
18.		12.67	31.51	41.		9.03	32.53
19.		12.51	31.62	42.		8.81	32.61
20.		12.43	31.62				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-194 DATE 23/09/82
POSITION 51-35.3N, 128-54.4W PST 15:54 STATION MC01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.75	30.84	0	23.25	463.4	.00	.00	1495.
10	12.33	31.24	10	23.64	427.0	.44	.02	1494.
20	11.80	32.07	20	24.37	356.7	.85	.08	1493.
30	9.79	32.34	30	24.94	303.3	1.17	.16	1487.

DEEPEST MEASUREMENT:

42	9.66	32.35	42	24.96	301.0	1.53	.30	1486.

PPES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.75	30.84	21.		11.27	32.20
1.		12.75	30.84	22.		10.28	32.23
2.		12.65	30.91	23.		10.26	32.25
3.		12.56	30.98	24.		10.25	32.27
4.		12.36	31.14	25.		10.07	32.30
5.		12.34	31.15	26.		9.98	32.37
7.		12.32	31.18	27.		9.79	32.35
8.		12.32	31.22	28.		9.80	32.34
9.		12.32	31.23	29.		9.81	32.34
10.		12.33	31.24	30.		9.79	32.34
11.		12.32	31.22	32.		9.77	32.32
12.		12.35	31.21	34.		9.76	32.29
13.		12.32	31.23	35.		9.74	32.30
14.		12.32	31.27	36.		9.71	32.35
15.		12.34	31.32	37.		9.70	32.33
16.		12.33	31.43	38.		9.70	32.34
17.		12.32	31.48	39.		9.70	32.35
18.		12.31	31.54	40.		9.69	32.34
19.		12.14	31.79	42.		9.66	32.35
20.		11.80	32.07				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-195 DATE 23/09/82
POSITION 51-35.3N, 129-10.0W PST 16:30 STATION M002
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.68	31.25	0	23.58	432.2	.00	.00	1495.
10	12.69	31.53	10	23.79	412.1	.42	.02	1496.
20	12.66	31.64	20	23.88	403.8	.83	.08	1496.
30	11.33	32.02	30	24.42	352.4	1.21	.18	1492.

DEEPEST MEASUREMENT:

40	9.72	32.38	40	24.98	299.7	1.54	.30	1487.

PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.68	31.25	20.		12.66	31.64
1.		12.68	31.25	21.		12.63	31.66
2.		12.68	31.27	22.		12.62	31.67
3.		12.66	31.29	24.		12.57	31.68
4.		12.64	31.36	25.		12.50	31.71
5.		12.65	31.38	26.		12.32	31.75
6.		12.67	31.45	27.		12.00	31.89
7.		12.67	31.46	28.		11.73	31.95
8.		12.68	31.47	29.		11.52	31.99
9.		12.70	31.52	30.		11.33	32.02
10.		12.69	31.53	31.		11.27	32.01
11.		12.70	31.58	34.		11.25	32.23
13.		12.73	31.59	36.		9.85	32.38
14.		12.73	31.63	37.		9.80	32.40
15.		12.74	31.62	38.		9.79	32.38
16.		12.78	31.64	39.		9.75	32.36
17.		12.76	31.66	40.		9.72	32.38
18.		12.74	31.64				

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-196 DATE 23/09/82
POSITION 51-35.3N, 129-18.3W PST 17:00 STATION M003
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	13.03	31.57	0	23.76	414.8	.00	.00	1497.
10	12.68	31.58	10	23.83	408.1	.41	.02	1496.
20	12.47	31.66	20	23.94	398.5	.82	.08	1495.
30	12.14	31.80	30	24.11	382.4	1.20	.18	1494.
50	10.55	32.14	50	24.65	330.8	1.93	.48	1490.

DEEPEST MEASUREMENT:

58	9.59	32.39	58	25.01	297.0	2.19	.61	1486.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-197 DATE 23/09/82
POSITION 51-32.1N, 129-23.0W PST 17:30 STATION QC01
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.52	31.37	0	23.70	420.5	.00	.00	1495.
10	12.12	31.65	10	23.99	393.1	.41	.02	1494.
20	11.19	32.01	20	24.44	350.0	.78	.08	1491.
30	10.05	32.34	30	24.89	307.9	1.11	.16	1488.
50	8.93	32.68	50	25.33	265.7	1.67	.39	1484.

DEEPEST MEASUREMENT:

66	8.59	32.81	66	25.49	251.2	2.08	.63	1483.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-198 DATE 23/09/82
POSITION 51-28.4N, 129-27.1W PST 18:00 STATION QC02
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.48	31.58	0	23.87	404.6	.00	.00	1495.
10	12.29	31.70	10	24.00	392.4	.40	.02	1495.
20	11.55	31.96	20	24.34	360.3	.78	.08	1492.
30	10.51	32.15	30	24.67	328.7	1.12	.16	1489.
50	9.95	32.30	50	24.88	309.4	1.76	.42	1488.
75	9.30	32.55	75	25.18	281.2	2.51	.90	1486.
100	8.32	32.93	99	25.62	238.9	3.16	1.47	1483.

DEEPEST MEASUREMENT:

99	8.35	32.90	98	25.60	241.3	3.14	1.45	1483.

HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-199 DATE 23/09/82
POSITION 51-24.5N, 129-31.5W PST 18:36 STATION QC03
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

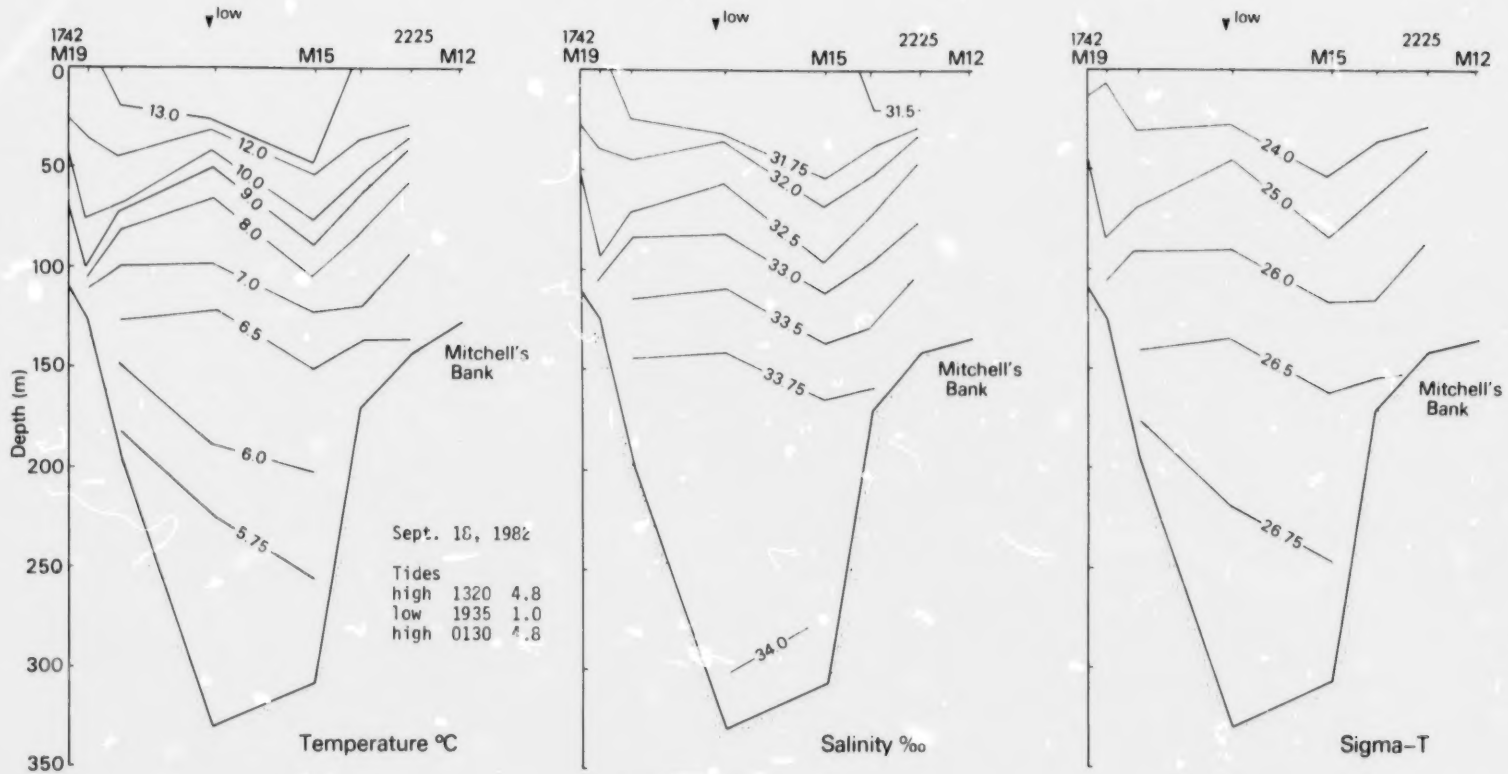
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.43	31.70	0	23.97	394.5	.00	.00	1495.
10	12.13	31.75	10	24.06	386.0	.39	.02	1494.
20	11.85	31.81	20	24.17	376.4	.77	.08	1493.
30	10.70	32.06	30	24.56	338.9	1.13	.17	1490.
50	9.28	32.52	50	25.16	282.4	1.76	.42	1485.
75	7.14	33.38	75	26.15	188.4	2.32	.78	1479.
100	6.74	33.66	99	26.42	162.8	2.76	1.17	1478.
125	6.56	33.79	124	26.55	151.5	3.14	1.60	1478.

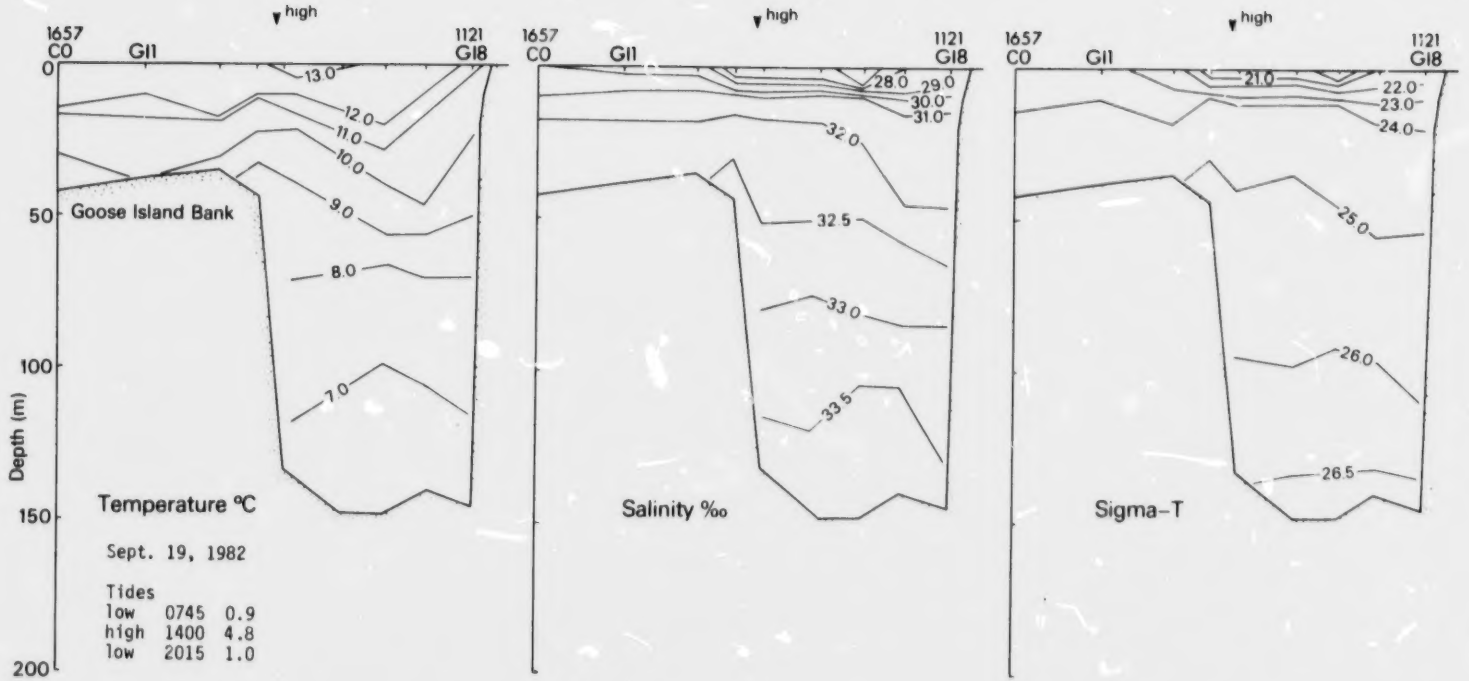
DEEPEST MEASUREMENT:

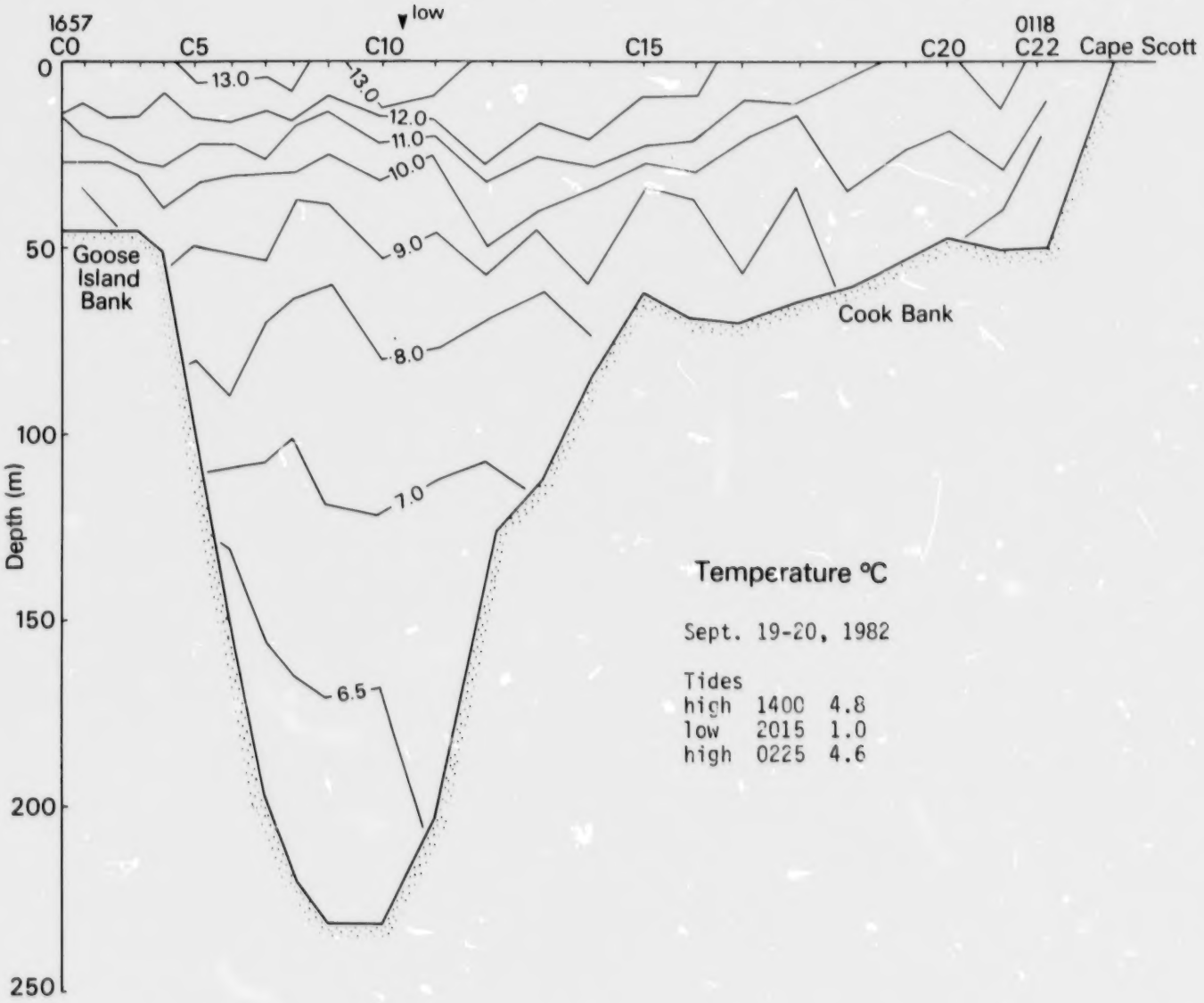
143	6.53	33.82	142	26.58	148.7	3.41	1.97	1478.

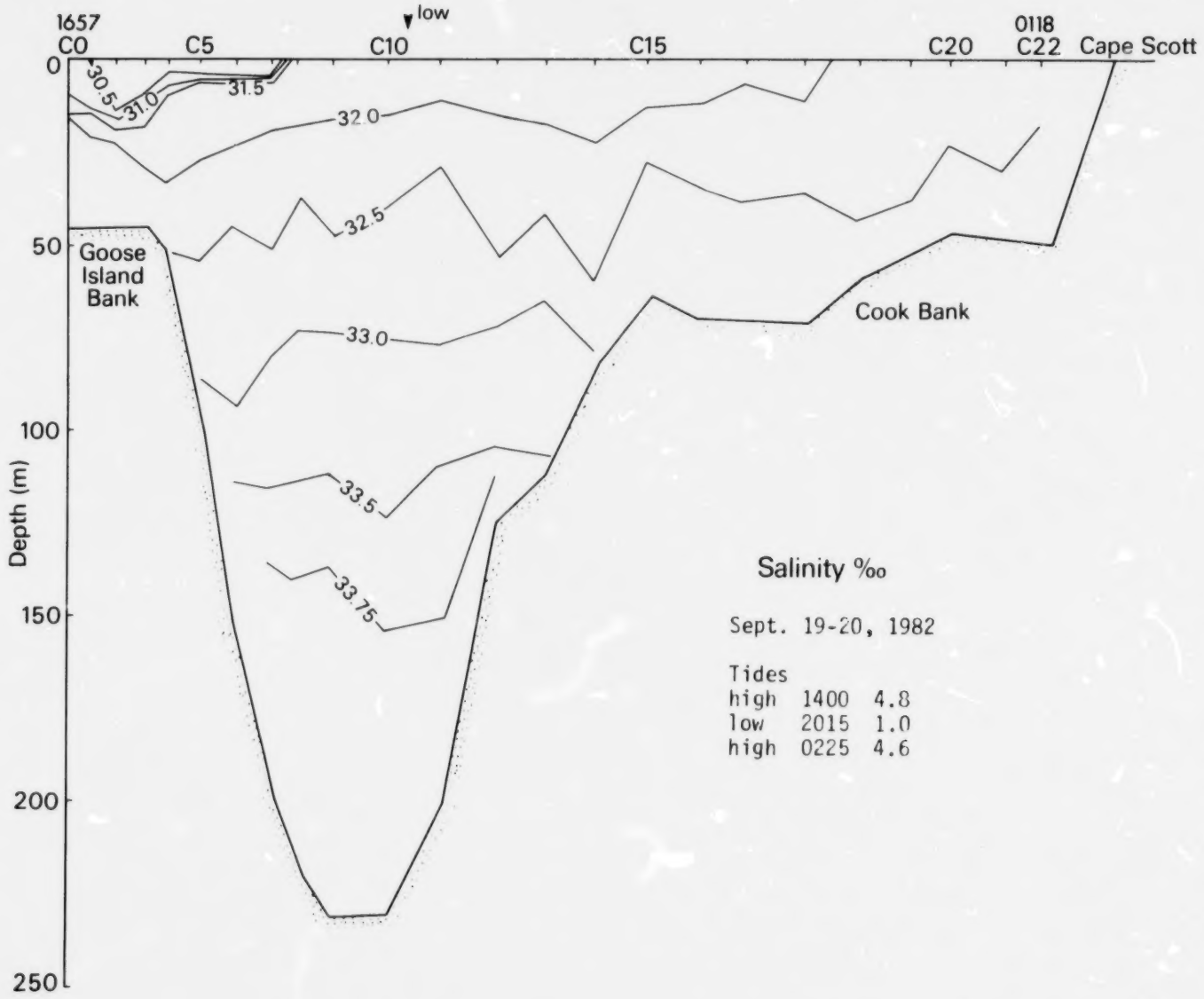
HYDROGRAPHIC SERVICE DIVISION
REFERENCE NO. 82-02-200 DATE 23/09/82
POSITION 51-19.2N, 129-38.0W PST 19:18 STATION QC04
RESULTS OF STP CAST
GUILDLINE WAS USED PRESSURES ARE INPUT

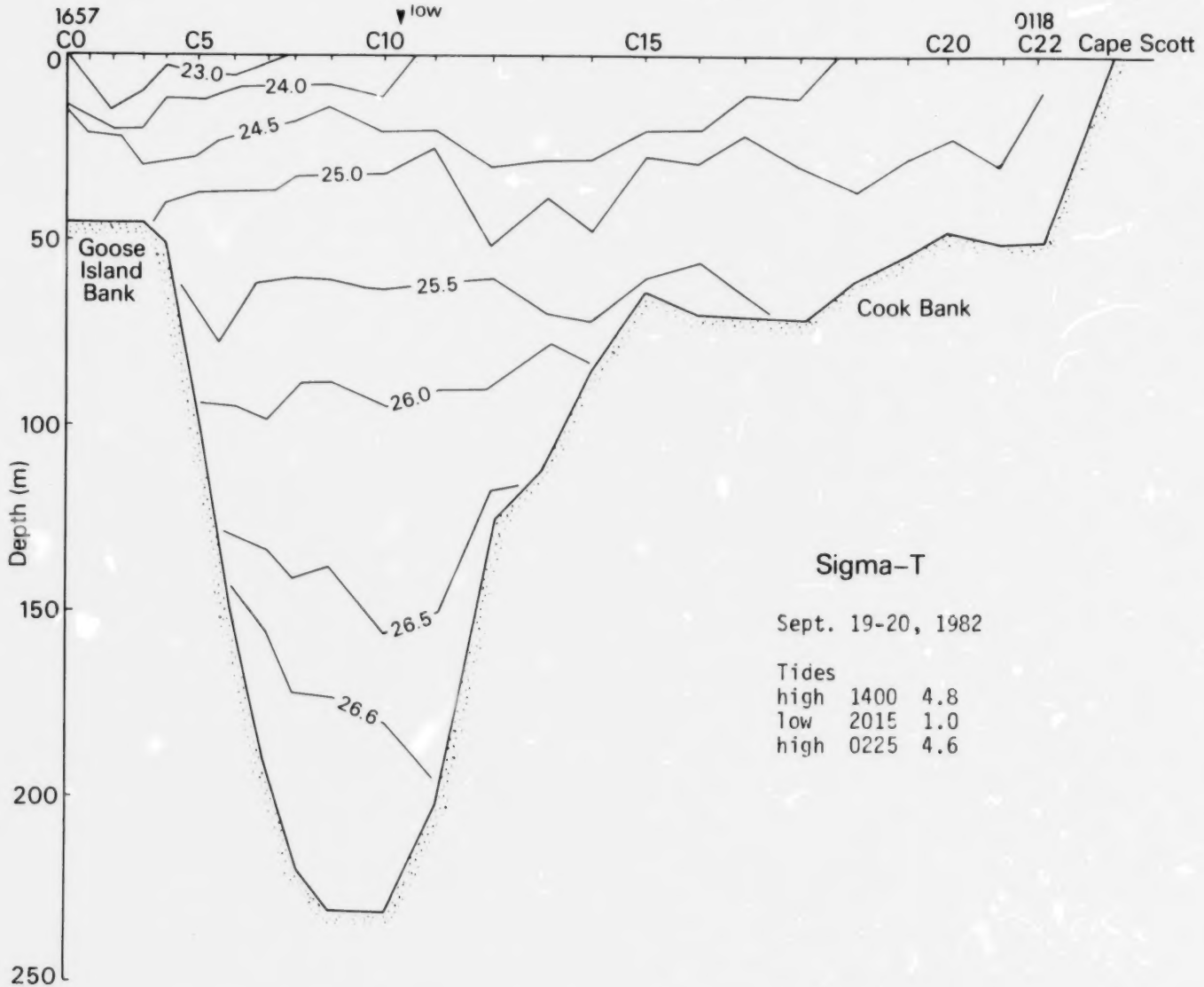
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.76	31.34	0	23.63	427.0	.00	.00	1496.
10	12.58	31.36	10	23.68	422.2	.42	.02	1495.
20	10.37	32.14	20	24.69	327.0	.82	.08	1488.
30	9.54	32.37	30	25.00	297.3	1.13	.16	1486.
50	8.96	32.57	50	25.25	274.0	1.70	.39	1484.
75	7.51	33.07	75	25.85	217.0	2.31	.77	1480.
100	6.92	33.49	99	26.27	177.6	2.79	1.20	1478.
125	6.54	33.74	124	26.51	154.8	3.20	1.67	1478.
150	6.43	33.85	149	26.61	145.5	3.57	2.19	1478.
175	6.22	33.92	174	26.70	137.9	3.92	2.77	1477.
DEEPEST MEASUREMENT:								
195	6.22	33.94	194	26.71	136.7	4.19	3.29	1478.

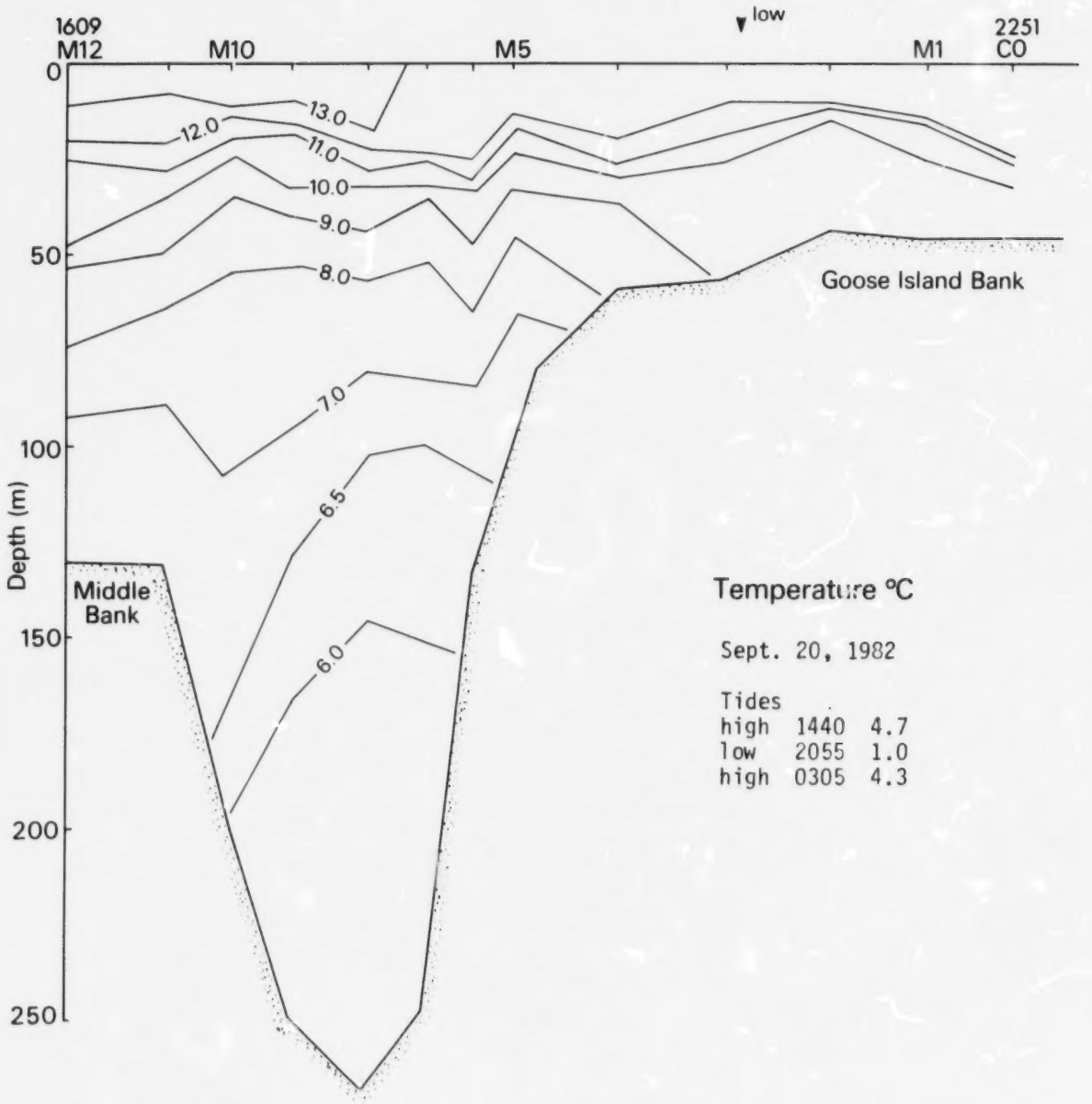

low
1742
M19
M15
2225
M12
0
50
100
150
200
250
300
350
Depth (m)
13.0
12.0
10.0
9.0
8.0
7.0
6.5
6.0
5.75
Mitchell's Bank
Sept. 16, 1982
Tides
high 1320 4.8
low 1935 1.0
high 0130 4.8
Temperature °C
31.5
31.75
32.0
32.5
33.0
33.5
33.75
34.0
Salinity ‰
24.0
25.0
26.0
26.5
26.75
Sigma-T

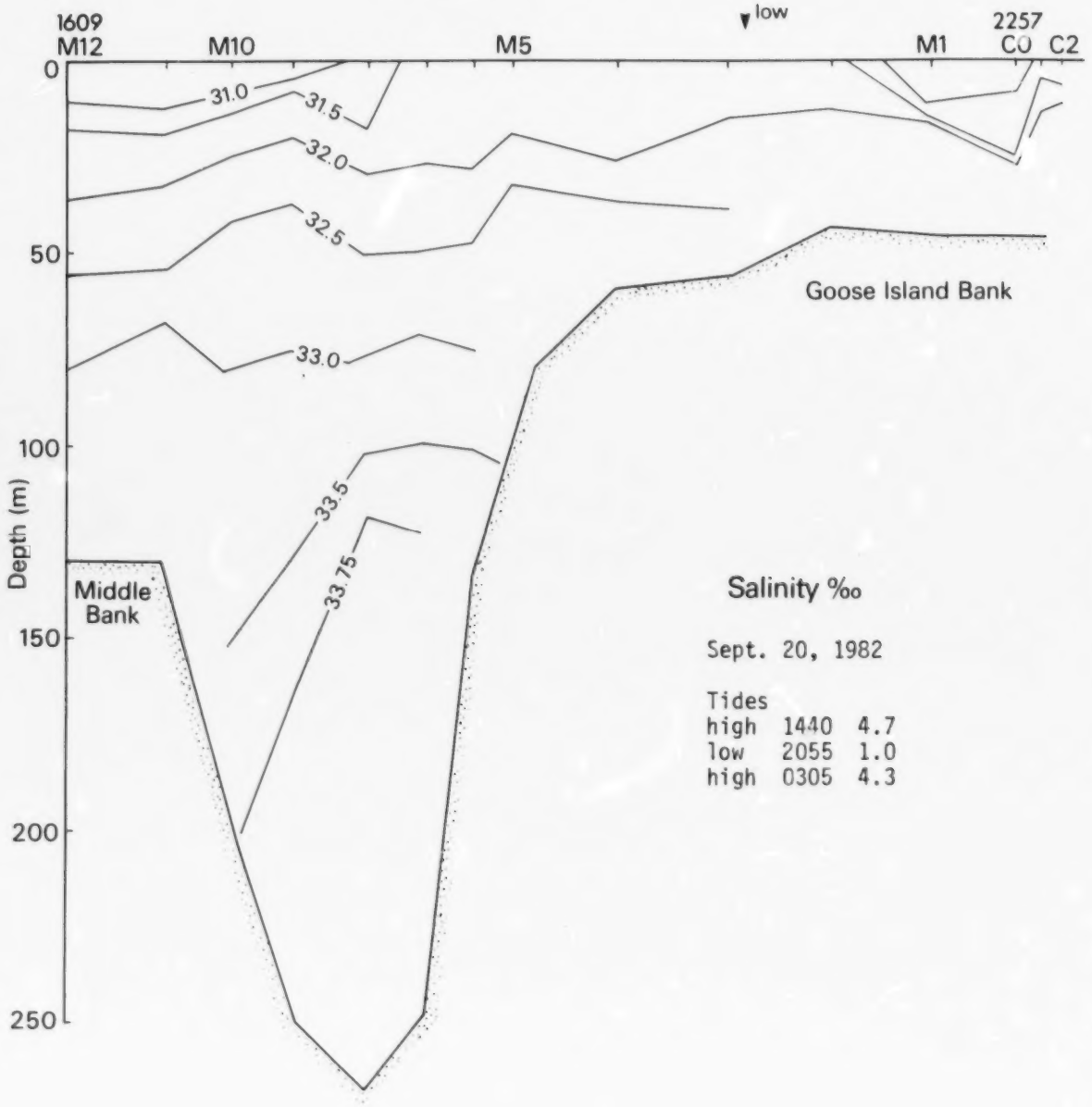

high
1657
C0
GI1
1121
GI8
0
50
100
150
200
Depth (m)
13.0
12.0
11.0
10.0
9.0
8.0
7.0
Goose Island Bank
Temperature °C
Sept. 19, 1982
Tides
low 0745 0.9
high 1400 4.8
low 2015 1.0
28.0
29.0
30.0
31.0
32.0
32.5
33.0
33.5
Salinity ‰
21.0
22.0
23.0
24.0
25.0
26.0
26.5
Sigma-T

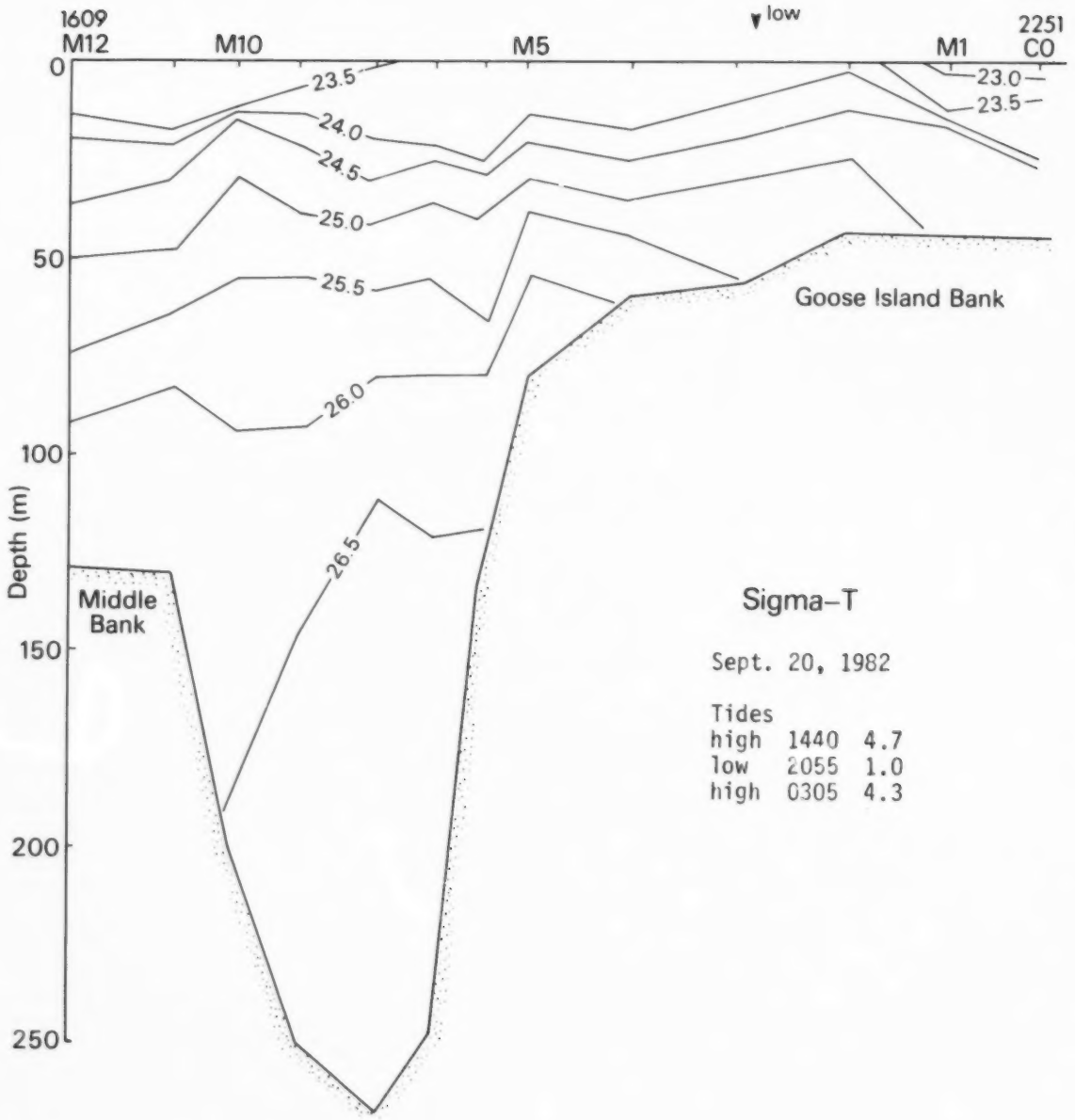

1657
C0
C5
low
C10
C15
C20
0118
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
13.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.5
Goose Island Bank
Cook Bank
Temperature °C
Sept. 19-20, 1982
Tides
high 1400 4.8
low 2015 1.0
high 0225 4.6

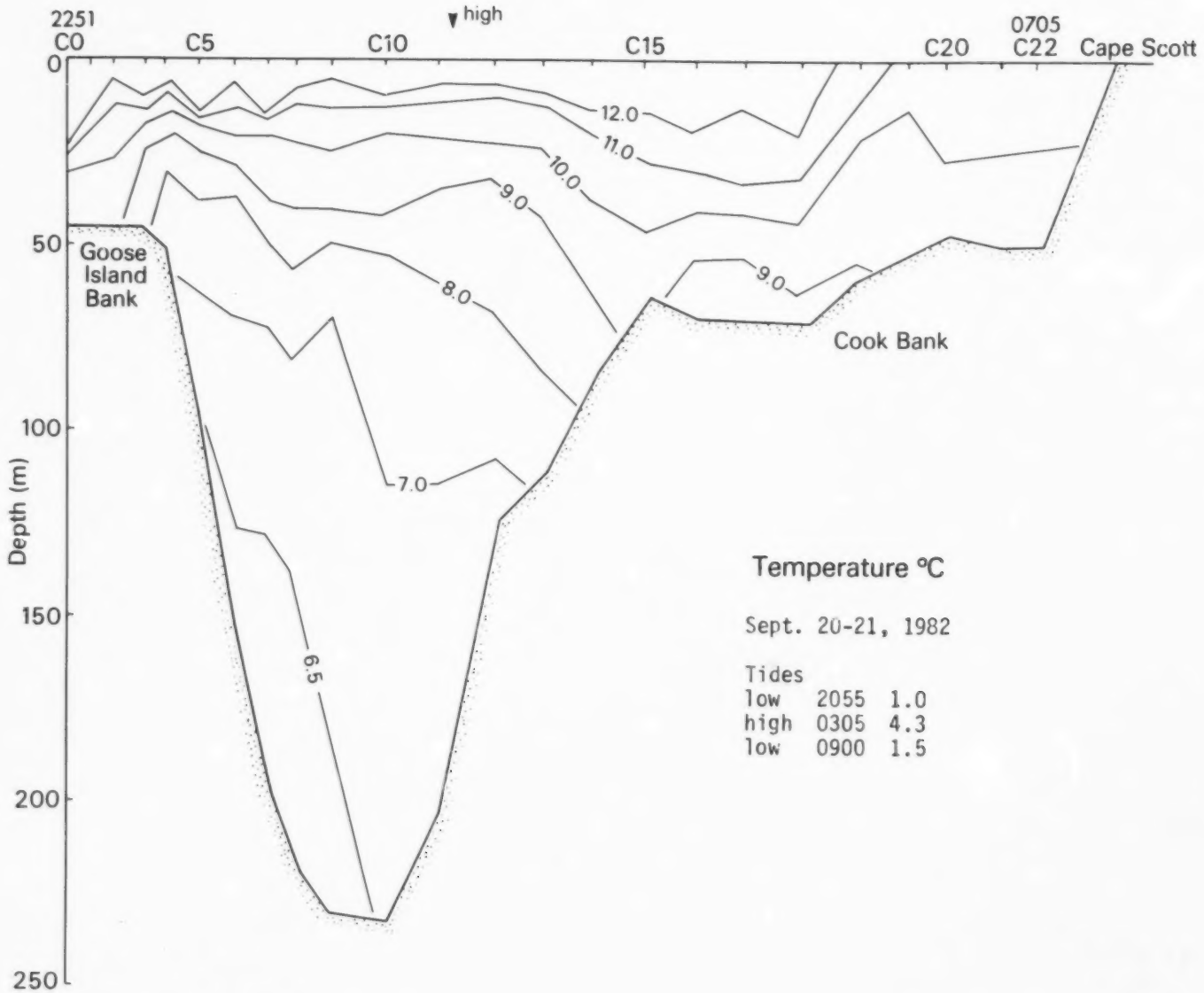

1657
C0
C5
low
C10
C15
C20
0118
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
30.5
31.0
31.5
32.0
32.5
33.0
33.5
33.75
Goose Island Bank
Cook Bank
Salinity ‰
Sept. 19-20, 1982
Tides
high 1400 4.8
low 2015 1.0
high 0225 4.6

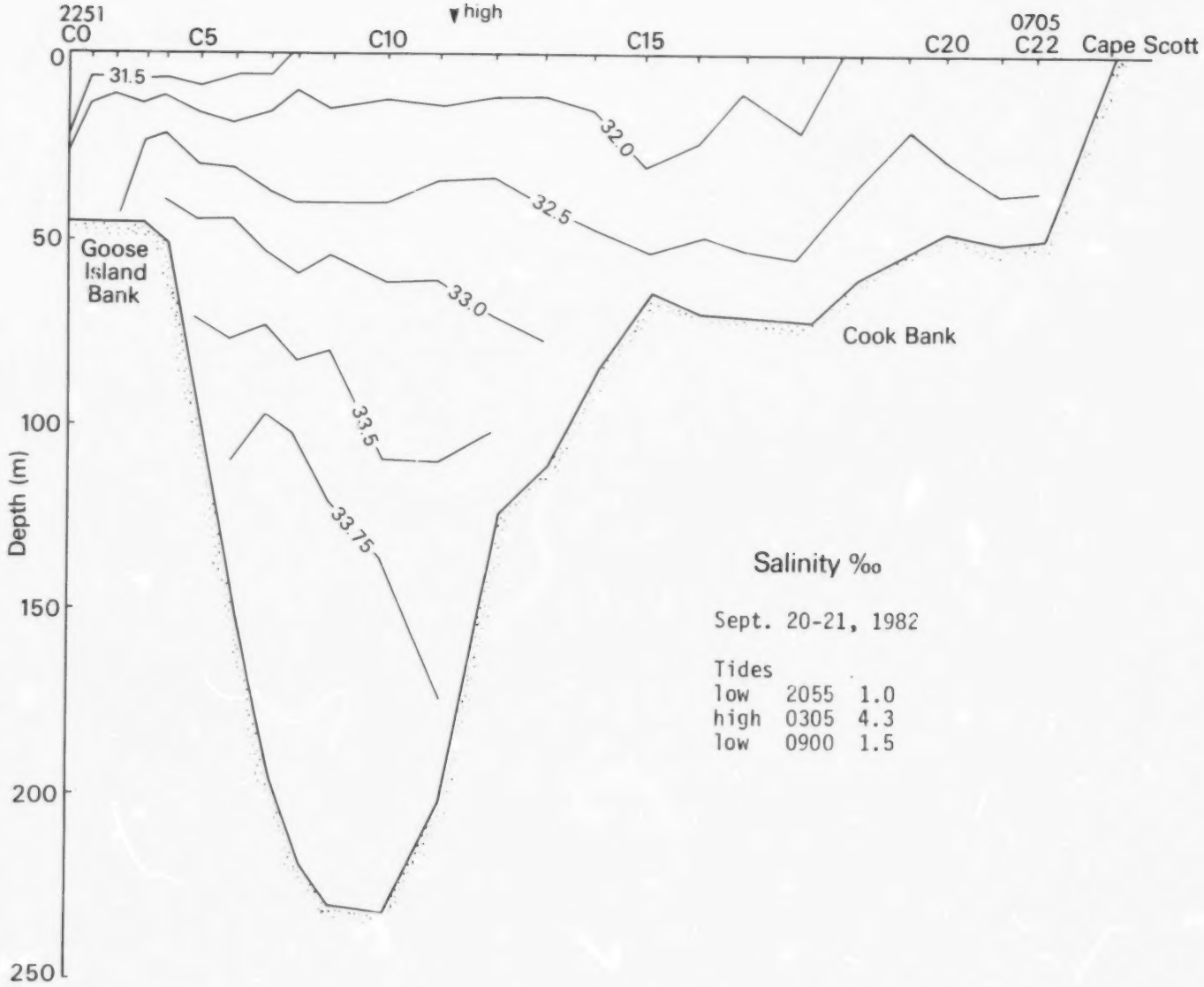

1657
C0
C5
low
C10
C15
C20
0118
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
23.0
24.0
24.5
25.0
25.5
26.0
26.5
26.6
Goose Island Bank
Cook Bank
Sigma-T
Sept. 19-20, 1982
Tides
high 1400 4.8
low 2015 1.0
high 0225 4.6

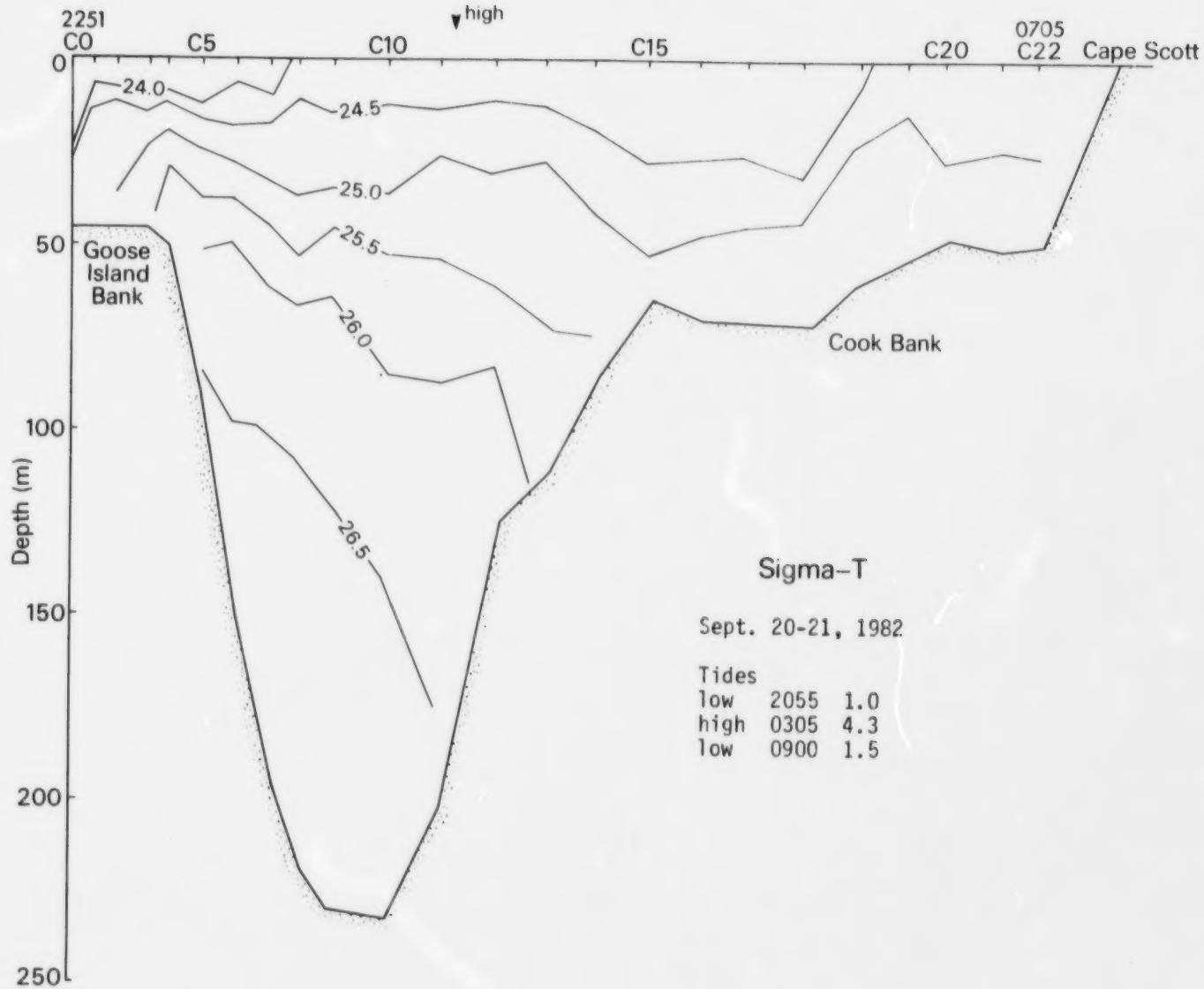

1609
M12
M10
M5
low
M1
2251
CO
0
50
100
150
200
250
Depth (m)
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.5
6.0
Goose Island Bank
Middle Bank
Temperature °C
Sept. 20, 1982
Tides
high 1440 4.7
low 2055 1.0
high 0305 4.3

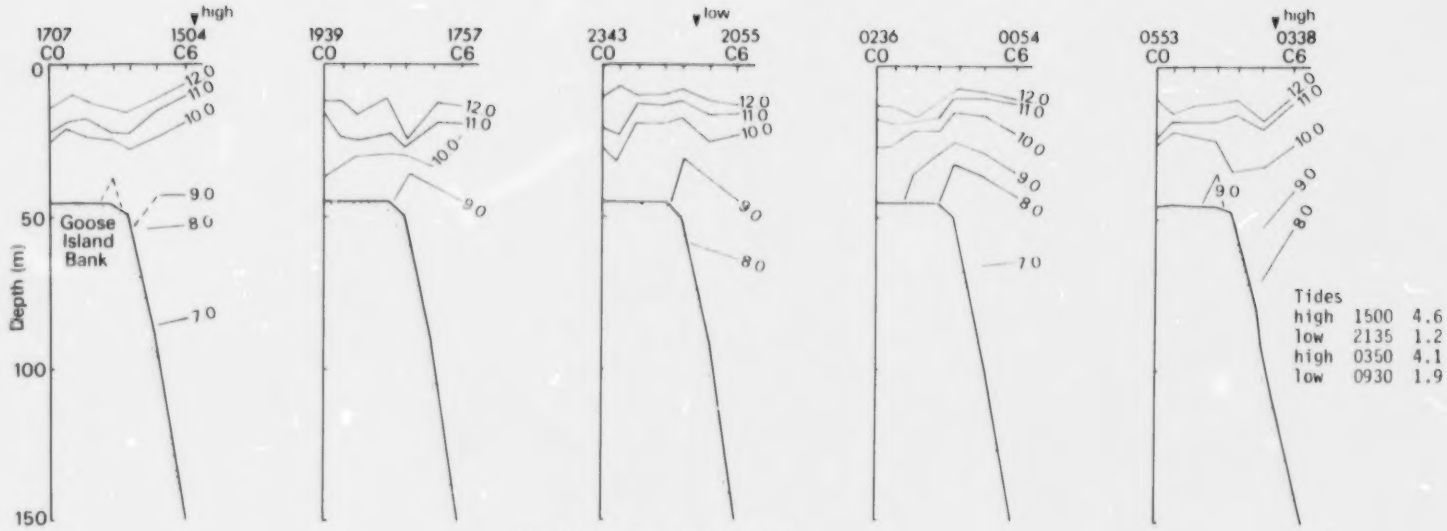

1609
M12
M10
M5
low
M1
2257
C0
C2
0
50
100
150
200
250
Depth (m)
31.0
31.5
32.0
32.5
33.0
33.5
33.75
Goose Island Bank
Middle Bank
Salinity ‰
Sept. 20, 1982
Tides
high 1440 4.7
low 2055 1.0
high 0305 4.3


1609
M12
M10
M5
low
M1
2251
CO
0
50
100
150
200
250
Depth (m)
23.5
24.0
24.5
25.0
25.5
26.0
26.5
23.0
23.5
Goose Island Bank
Middle
Bank
Sigma-T
Sept. 20, 1982
Tides
high 1440 4.7
low 2055 1.0
high 0305 4.3


2251
C0
C5
C10
high
C15
C20
0705
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
12.0
11.0
10.0
9.0
8.0
7.0
6.5
9.0
Goose Island Bank
Cook Bank
Temperature °C
Sept. 20-21, 1982
Tides
low 2055 1.0
high 0305 4.3
low 0900 1.5

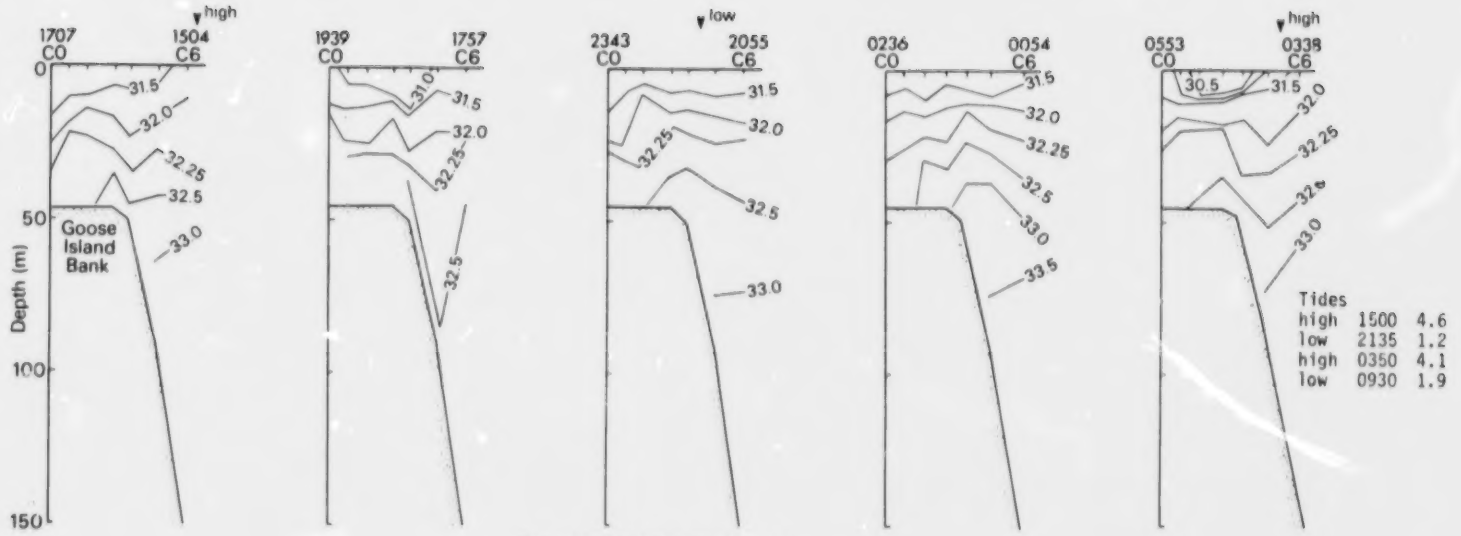

2251
C0
C5
C10
high
C15
C20
0705
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
31.5
32.0
32.5
33.0
33.5
33.75
Goose Island Bank
Cook Bank
Salinity ‰
Sept. 20-21, 1982
Tides
low 2055 1.0
high 0305 4.3
low 0900 1.5


2251
C0
C5
C10
high
C15
C20
0705
C22
Cape Scott
0
50
100
150
200
250
Depth (m)
24.0
24.5
25.0
25.5
26.0
26.5
Goose
Island
Bank
Cook Bank
Sigma-T
Sept. 20-21, 1982
Tides
low 2055 1.0
high 0305 4.3
low 0900 1.5



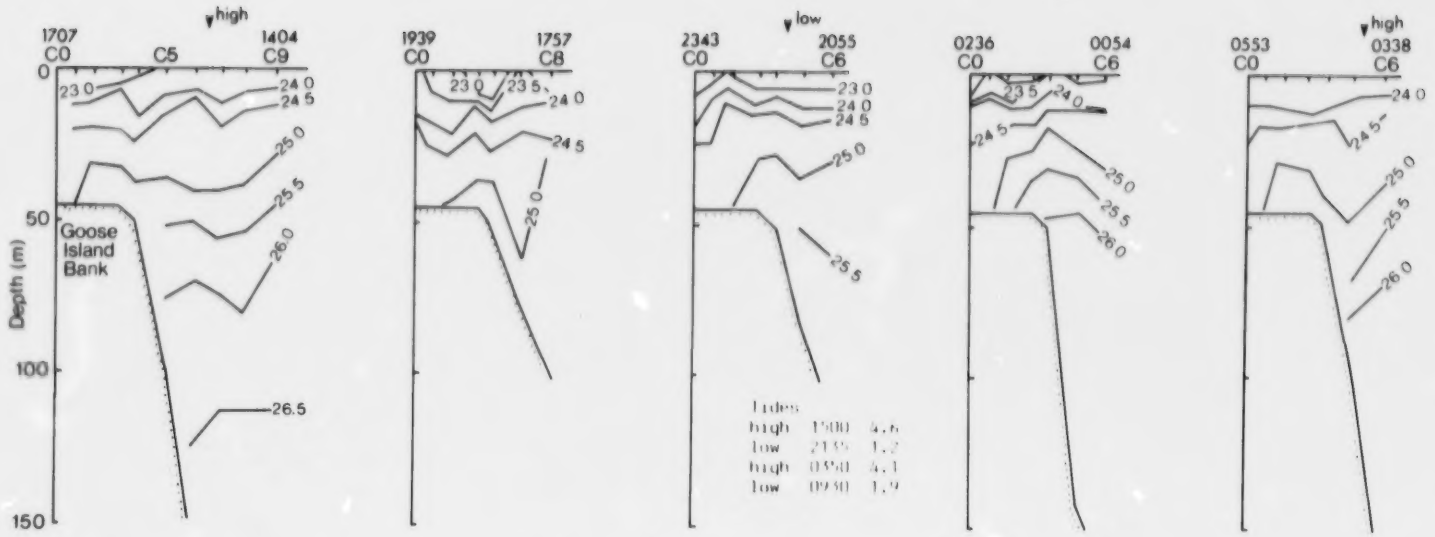
Time Series Between C6 - C0
1504 Sept. 21 - 0553 Sept. 22, 1982

Temperature °C



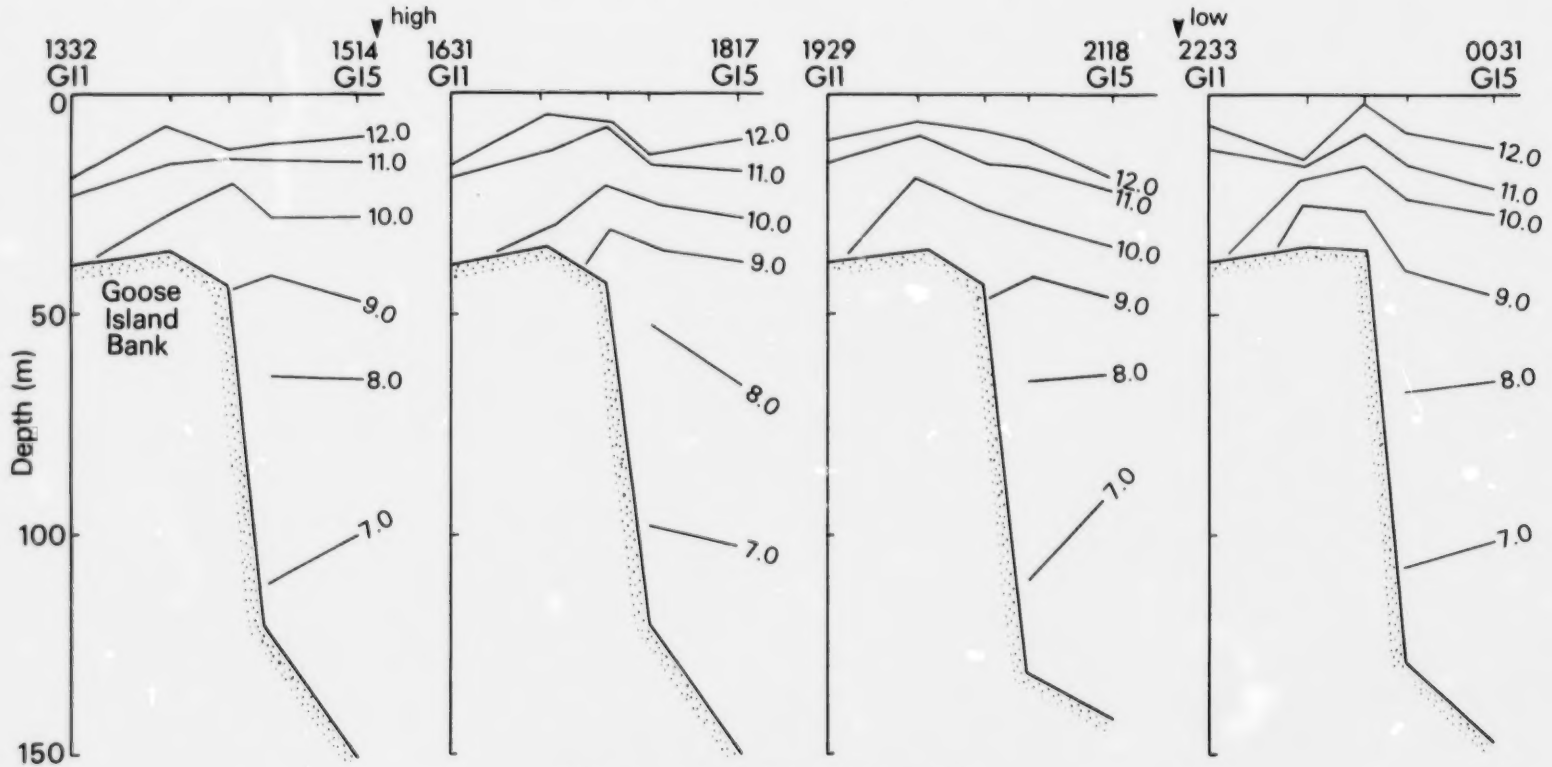
Time Series Between C6 - CO
1504 Sept. 21 - 0553 Sept. 22, 1982

Salinity ‰



Time Series Between C9 - C0
1404 Sept. 21 - 0553 Sept. 22, 1982

Sigma-T

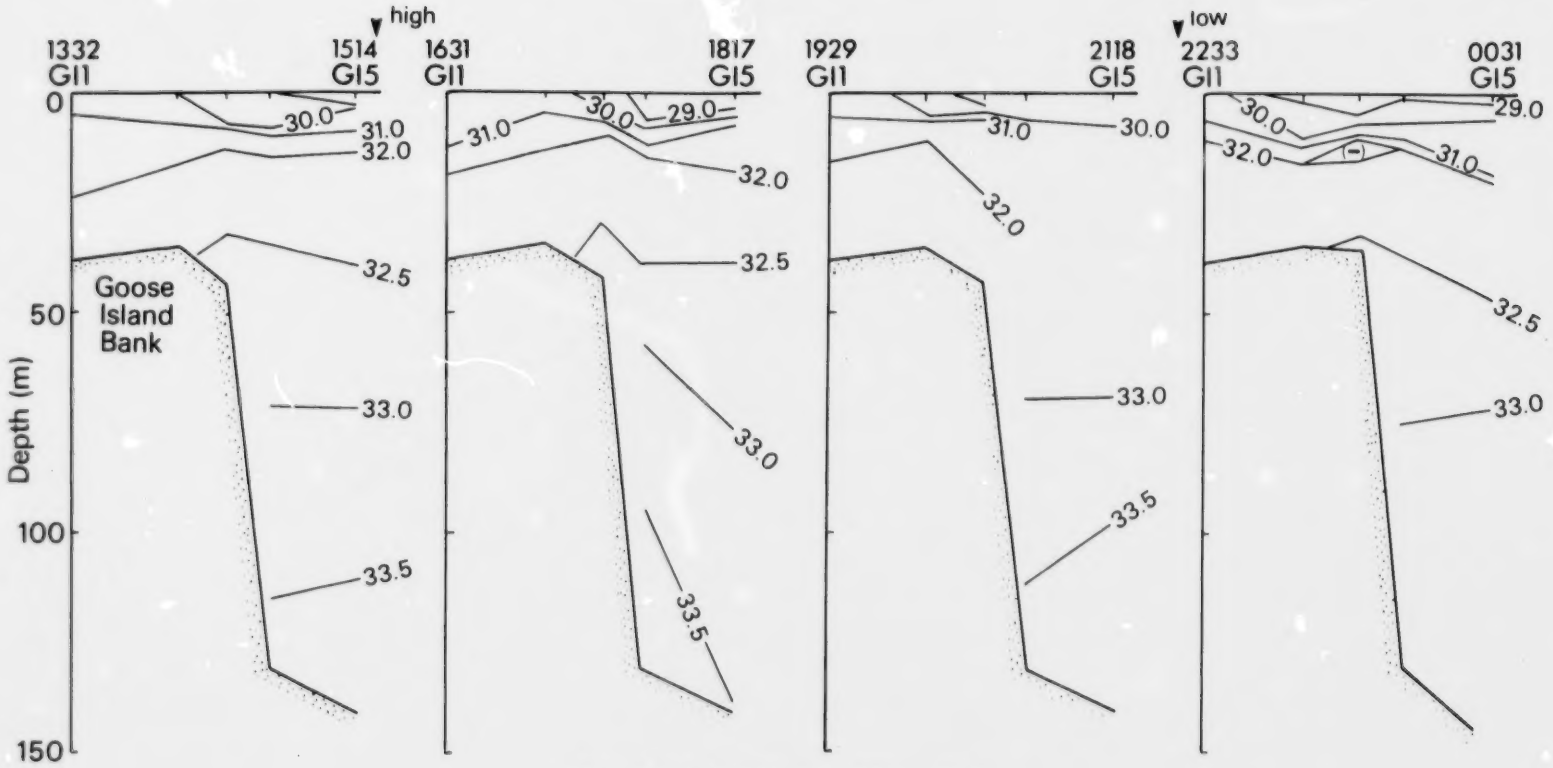


Time Series Between GI1 - GI5
1332 Sept. 22 - 0031 Sept. 23, 1982

Temperature °C

Tides

low	0930	1.9
high	1545	4.4
low	2220	1.3
high	0440	3.8

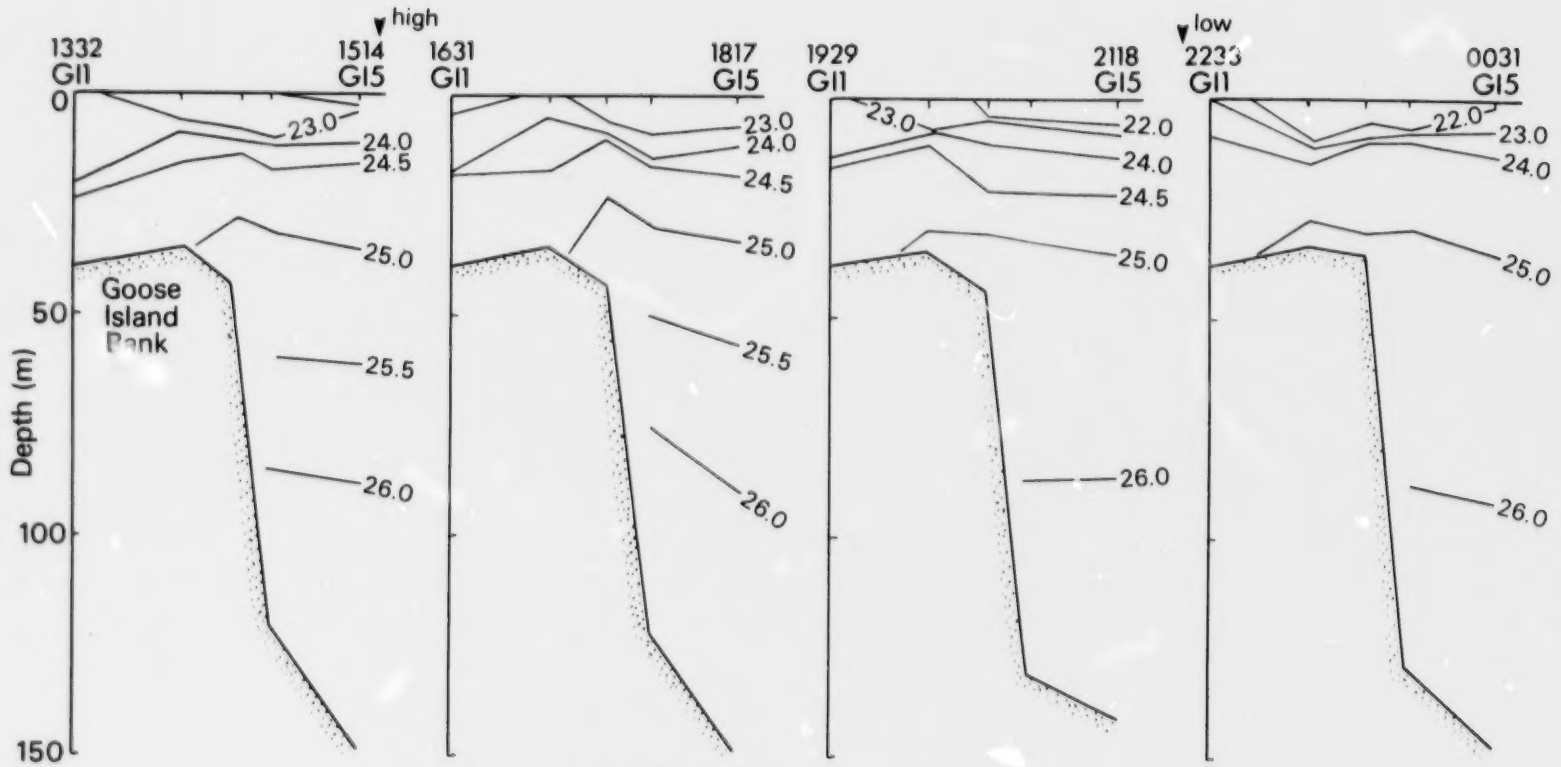


Time Series Between GI1 - GI5
1332 Sept. 22 - 0031 Sept. 23, 1982

Salinity ‰

Tides

low	0930	1.9
high	1545	4.4
low	2220	1.3
high	0440	3.8

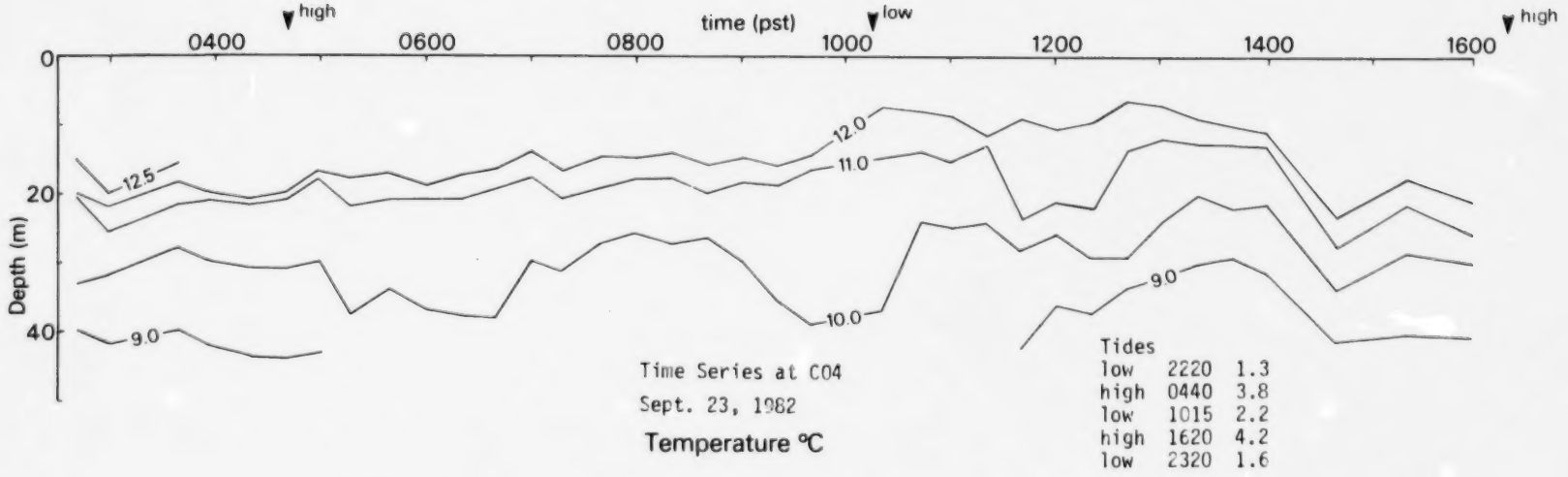


Time Series Between GI1 - GI5
1332 Sept. 22 - 0031 Sept. 23, 1982

Sigma-T

Tides

low	0930	1.9
high	1545	4.4
low	2220	1.3
high	0440	3.8



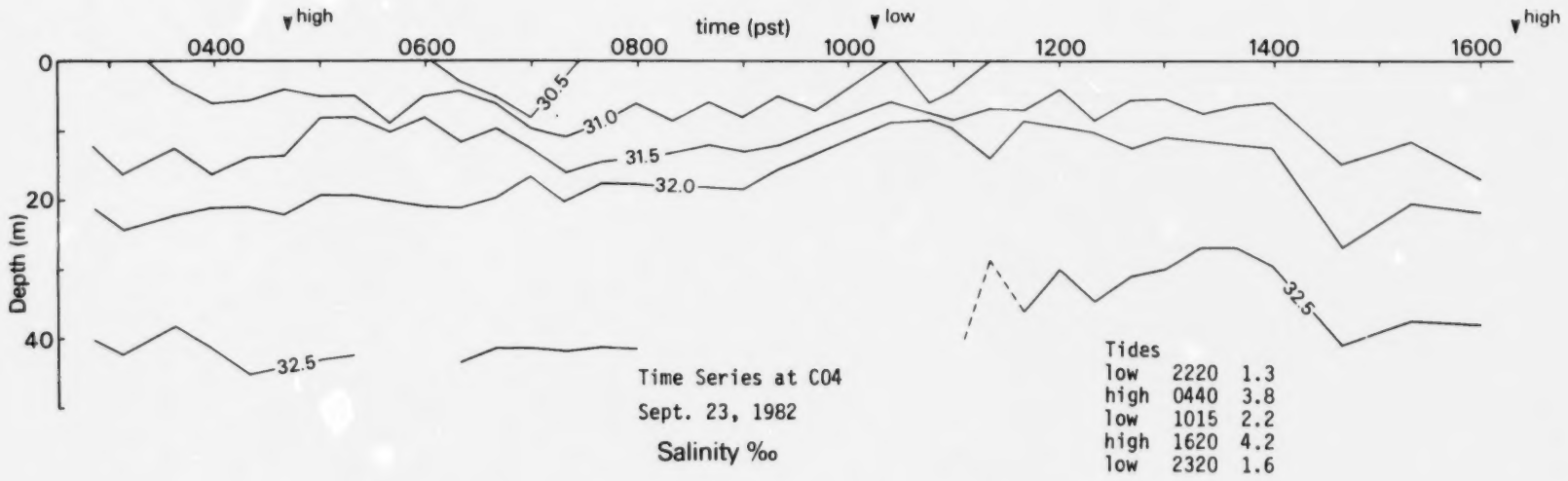
Time Series at C04

Sept. 23, 1982

Temperature °C

Tides

low	2220	1.3
high	0440	3.8
low	1015	2.2
high	1620	4.2
low	2320	1.6



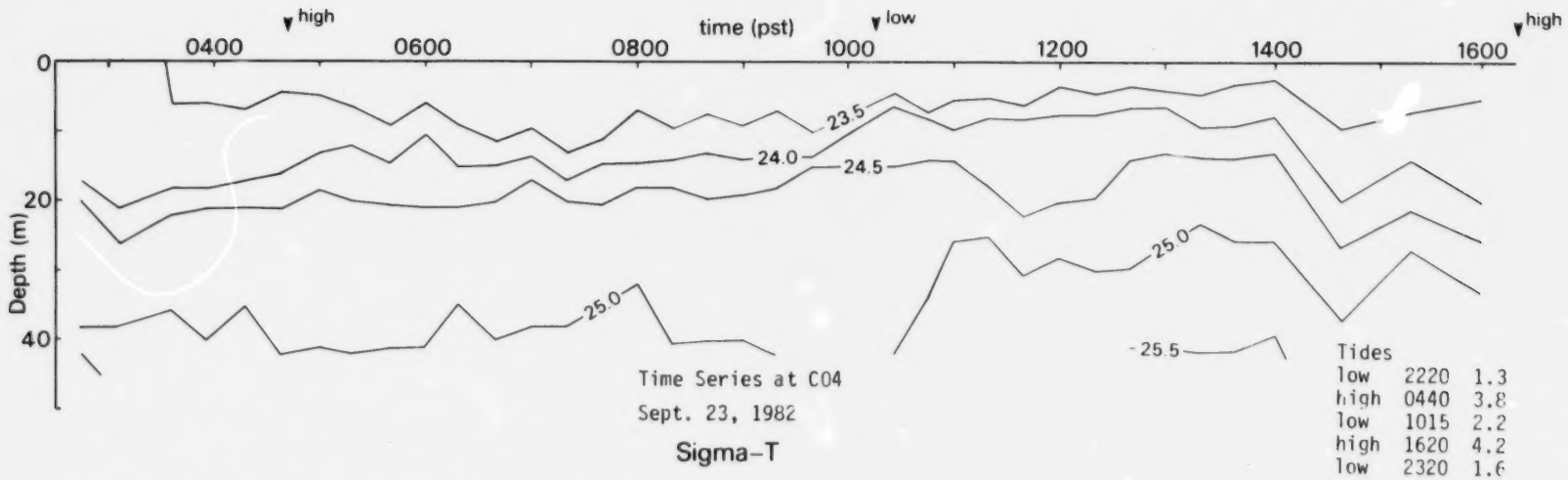
Time Series at C04

Sept. 23, 1982

Salinity ‰

Tides

low	2220	1.3
high	0440	3.8
low	1015	2.2
high	1620	4.2
low	2320	1.6



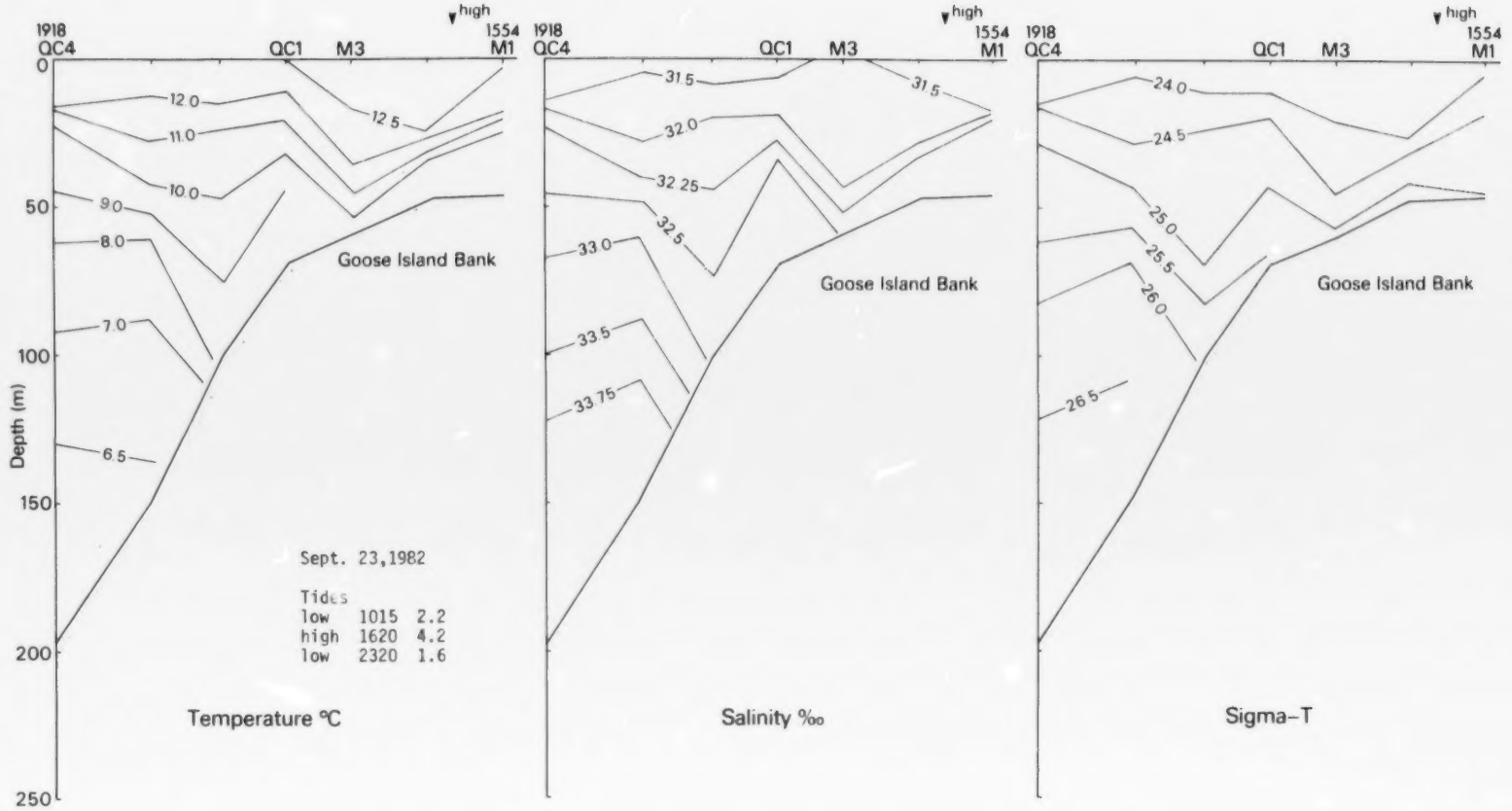
Time Series at C04

Sept. 23, 1982

Sigma-T

Tides

low	2220	1.3
high	0440	3.8
low	1015	2.2
high	1620	4.2
low	2320	1.6


1918
QC4
QC1
M3
high
1554
M1
0
50
100
150
200
250
Depth (m)
12.0
11.0
10.0
9.0
8.0
7.0
6.5
12.5
Goose Island Bank
Sept. 23,1982
Tides
low 1015 2.2
high 1620 4.2
low 2320 1.6
Temperature °C
31.5
32.0
32.25
32.5
33.0
33.5
33.75
31.5
Goose Island Bank
Salinity ‰
24.0
24.5
25.0
25.5
26.0
26.5
Goose Island Bank
Sigma-T